ANNALES ACADEMIAE SCIENTIARUM FENNICAE
MEMOIRS OF THE ARCHAEOLOGICAL SURVEY OF INDIA

Corpus of Indus Seals and Inscriptions

1. Collections in India



SUOMALAISEN TIEDEAKATEMIAN TOIMITUKSIA
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MEMOIRS OF THE ARCHAEOLOGICAL SURVEY OF INDIA
NO. 86

Corpus of Indus Seals and Inscriptions

1. Collections in India

edited by

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with the assistance of

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Preface

We are happy to be able to publish the present volume which contains nearly 3900 photographs of 1537 Indus seals and inscriptions belonging to collections in India. About one fourth of these objects are illustrated for the first time here.

This is number one of the three volumes planned, for the time being, to complete the photographic *Corpus of Indus Seals and Inscriptions*. The purpose of the Corpus is to provide a basic tool for the research of the little understood script, language and religion of the Indus Civilization and for the study of the administrative organization and external cultural contacts of the Harappans. The Corpus will contain the literary and sphragistic remains of one of the earliest cultures of mankind, a forgotten urban civilization that has had a profound impact on the subsequent traditions of South Asia up to the present day.

The publication of such a work in international collaboration was first proposed by one of us to the 29th International Congress of Orientalists meeting in Paris in 1973. The proposal was accepted in a unanimous resolution. After the Archaeological Survey of India (ASI) and the Department of Archaeology and Museums, Government of Pakistan, had agreed to collaborate with the University of Helsinki in bringing out the Corpus, after the Finnish Academy of Sciences and Letters had agreed to publish it in its *Annales*, and after distinguished experts from many countries had supported the scheme, an application for financial assistance was submitted to the International Union of Philosophy and Human Studies (CIPSH) through the International Union of Oriental and Asian Studies. The General Assembly of UNESCO meeting at Nairobi in 1976 agreed to support the Corpus as a scholarly project of a confirmed international character and of major importance.

With the financial assistance of UNESCO, granted through the CIPSH in 1978-80, it was possible to start preparing new photographs of the Indus seals and inscriptions for the Corpus and to reproduce old ones. In India, the work was co-ordinated by the Director General of the ASI, Shri B.K. Thapar. The photographers of the ASI, however, had many other duties, and the progress was slower than had been anticipated. In spite of the best efforts, only about 500 objects, approximately one third of the relevant material, were photographed by 1980. The actual number of photographs taken was much larger, however, because each side of every object was to be photographed. An impression of most of the objects was taken in plasticine, also. After the retirement of Shri B.K.

Thapar, the photography was stopped for a while, but after further negotiations with the Ministry of Education and Social Welfare, Government of India, carried out with the kind assistance of the Embassy of Finland in New Delhi, the photography was taken up again in 1982 by the ASI under the supervision of Dr Debala Mitra, the new Director General. This additional photography covered, again, about one third of the objects and also included most of the relevant material in the National Museum of India; the expenses for it were defrayed by the Finnish Ministry of Education.

In 1983, the late Prime Minister of India, Mrs Indira Gandhi, paid an official visit to Finland, and an agreement of cultural exchange was signed between the two countries. In order to expedite the publication of the Corpus, Dr Asko Parpola suggested that this project be included in the cultural exchange programme for the years 1984-1986. This met with the approval of the Finnish Ministry of Education, and the Government of India deputed an official delegation to plan Indo-Finnish collaboration in archaeology with the Corpus project as its main concern. The delegation, consisting of Prof. B.B. Lal, former Director General of the ASI, Dr M.S. Nagaraja Rao, the then Director General of the ASI, and Dr K.V. Ramesh, Director of Epigraphy, ASI, visited Finland in June 1984, and a mutual understanding was reached.

Since a choice between two sets of photographs was sure to guarantee a higher and more even quality to the publication than a single set, it was agreed to enlist the services of an expert photographer for photographing the seals and other material anew. The Finnish Ministry of Education made travel grants and a publication subsidy available in 1984-1986. During this same three-year period, the University of Helsinki, for the first time after a very long interval, had substantial research funds of its own, and the project was granted money to employ two photographers and one half-day research assistant as well as for purchasing equipment. The Chancellor of the University of Helsinki also helped with travel grants. The Research Council for the Humanities at the Academy of Finland, which had supported the Corpus project from its initiation until 1981 by allowing Dr Parpola to work on it while employed as its Research Fellow, took over the main financial responsibility for the project from the beginning of the year 1987.

This financial support has made it possible to carry out the work with dispatch. The project could enlist the services of Ms Erja Lahdenperä and Mr Jyrki Lyytikkä, two young photographers, as well as of Mrs Virpi Hämeen-Anttila. In 1984-85, with the kind assistance of the ASI, the Museums involved, and the Embassy of Finland in New Delhi, Ms Lahdenperä photographed 1378 Indus seals and inscriptions available in India. She also reproduced the old photographs of the Indus seals and inscriptions in the Sind and Punjab series of the ASI's photo archive. The double set of negatives taken is now deposited in the archives of the ASI and the Department of Asian and African Studies, University of Helsinki. In addition to publishing the present volume, one purpose of the Indo-Finnish collaboration in archaeology has been to establish in India and in Finland a comprehensive photo archive, which will enable researchers to get good prints of individual objects.

After her return, Ms Lahdenperä made enlarged prints of the Indus seals and inscriptions and their impressions from the new negatives which she had taken of them. Mr Jyrki Lyytikkä printed the photos of the old Sind and Punjab volumes and also did a good deal of supplementary printing from Ms Lahdenperä's new negatives. The major part of the old photographs of the ASI's photo archive had been identified in 1975 by Dr Parpola, but a lot remained to be done, including the identification and sorting of the new photos as well. This was done carefully and efficiently by Mrs Hämeen-Anttila.

Within the cultural exchange programme, the ASI sent Dr K.V. Ramesh to work on the project for three weeks in November-December 1986. The outlines of the preface and introduction subsequently drafted by Dr Parpola and the principles of selecting the photographs were then agreed upon. During the spring and summer of 1987, the photographs were selected, arranged and prepared for the press by Asko Parpola with the assistance of Virpi Hämeen-Anttila. Mrs Hämeen-Anttila also skilfully carried out the layout of the photographs; drew the map planned by Dr Parpola and the symbols in Table 1 and in the page captions; and substantially helped Dr Parpola in the preparation of the list of basic data for the objects illustrated. Shri Jagat Pati Joshi, Additional Director General of the ASI, was nominated by the Government of India as the co-editor for editing the work of the Corpus in the light of the fund of information available in India on the subject.

Because all existing material was not accessible when the photography was done by the photographers of the ASI in 1978-83 and by Erja Lahdenperä in 1984-85, Ms Lahdenperä left for supplementary photography in India in March 1987. She was also to carry out colour documentation and to photograph better impressions of some seals. This tour had not yet been fully completed when the volume went to the press in order to meet the publication schedule necessitated by the financial arrangements. Whatever was received prior to the end of August 1987 could be included in this volume. The remainder will be included in the addenda part of the third volume of the Corpus. In any case, it would not have been worthwhile to postpone the publication of this already bulky volume for the sake of a few missing items, since the Corpus will never be complete in the absolute sense of the term: new objects keep turning up, and we trust that eventually further volumes of the Corpus will be published.

We beg the reader's indulgence for some flaws caused by the tight schedule. As the printing had to be commenced long before the book emerged in its final form and a few mistakes passed unnoticed until a late stage, these errors and their consequences could not be eliminated fully. They are catalogued and explained in the Corrigenda section.

The introduction, it should be noted, pretends to be nothing but an introduction. Its aim is to place the objects illustrated in their historical context, to hint at the various aspects involved in their study, with select references to the existing literature, and to explain the principles and conventions of their publication in the Corpus.

* * *

The publication of this volume would not have been possible without the generous help, support and collaboration of the Governments of India and Finland and of many persons and institutions to whom we extend our cordial thanks.

The late Professor Jean Filliozat of the Collège de France, Vice-President of the Congress, took personal interest in passing the resolution in favour of the Corpus at the 29th International Congress of Orientalists.

Among the experts recommending the project to UNESCO were Dr F. R. Allchin, of the Faculty of Oriental Studies, University of Cambridge; Dr A.K. Bhattacharyya, then Director, Indian Museum, Calcutta; Dr Jean-Marie Casal, the late Director of the Mission Archéologique de l'Indus, Musée Guimet, Paris; Dr Raoul Curiel, then Curator of the Cabinet des Médailles, Bibliothèque

National, Paris; Prof. George F. Dales, Jr, of the Dept. of South and South East Asian Studies, University of California at Berkeley; Prof. A.H. Dani, then Dean of the Faculty of Social Sciences, University of Islamabad; Prof. Walter A. Fairservis, Jr, then of the American Museum of Natural History, New York; Prof. B.B. Lal, then of Jiwaji University, Gwalior, and formerly Director General of the ASI; the late Prof. J.E. van Lohuizen - de Leeuw, of the Institute of South Asian Archaeology, University of Amsterdam; Dr R. Nagaswamy, Director of the Tamilnadu State Department of Archaeology, Madras; Dr S.T. Satyamurti, then Director of the Government Museum, Madras; Dr C. Sivaramamurti, the late Director of the National Museum of India, New Delhi; Dr Odette Viennot, Paris; and the late Professor Sir Mortimer Wheeler, The British Academy.

Prof. Yrjö Blomstedt, the editor of the *Annales Academiae Scientiarum Fennicae* and Dean of the Faculty of Humanities, University of Helsinki, has been an indispensable and ever obliging supporter of the project from the very beginning. We cordially thank the Finnish Academy of Sciences and Letters and its office holders, especially Prof. Blomstedt and Prof. Lauri Honko, for kindly accepting the Corpus for publication and for procuring the major part of the very considerable printing expenses.

Prof. Louis Bazin, Secretary General, International Association of Oriental and Asian Studies, and Prof. Jean d'Ormesson, Secretary General, International Council for Philosophy and Humanistic Studies, were most helpful in securing UNESCO support and in administering the grant. We are much obliged also to Prof. R.N. Dandekar of the Bhandarkar Oriental Research Institute, Pune, the President of the International Union of Oriental and Asian Studies, for his personal interest and kind help.

Through the good offices and kind help and collaboration of Shri B. K. Thapar, then Additional Director General, the project had the full support of the ASI from the beginning. Since the project was actively initiated, it has been graciously coordinated by the successive Directors General, Shri B.K. Thapar (1978-80), Dr Debala Mitra (1981-83), Dr M.S. Nagaraja Rao (1984-86), and Shri R. C. Tripathi (1987).

Among the officers of the ASI who kindly made accessible the materials and rendered valuable assistance, we especially thank Shri M.C. Joshi, Joint Director General; Dr K.V. Ramesh, Director, Epigraphy; Dr K.D. Banerjee, Course Director; Shri B.M. Pande, Deputy Director, Institute of Archaeology; Shri R.S. Bisht, Superintending Archaeologist; Shri S.A. Sali, Superintending Archaeologist (ret.); Shri R.P. Sharma, Assistant Director, Institute of Archaeology; Kum. Madhu Bala, Deputy Superintending Archaeologist, Kalibangan Excavation Report Section, Purana Qila; and Kum. Purna Iyer, Assistant Superintending Archaeologist (ret.), and Kum. A. Banerjee, Assistant Superintending Archaeologist in the Central Antiquities Collection, Purana Qila. Photographers of the ASI who have worked for the project include Shri Sovan Chatterjee, Shri R.S. Rana, Shri R.K. Sehgal and Shri Rajbir Singh. The modellers Sarvashri G. Sudarshanam, Shri Kapil Deo and Shri D. K. Malik are responsible for making the seal impressions.

At the National Museum of India, we have been afforded all possible help by the Directors, Dr C. Sivaramamurti, Dr I. D. Mathur, and Dr L.P. Sihare. We also thank Dr. S.P. Gupta, Assistant Director, and the Keepers, Dr G. N. Pant, Dr L. A. Narain, Dr Shashi Asthana, and Shri D.P. Sharma for valuable assistance. At the Indian Museum, Calcutta, we are grateful to the Directors, Dr A.K. Bhattacharyya and Dr R.C. Sharma, and to Dr Dilip Guha, Curator of the Prehistoric Gallery. We thank the Trustees of the Prince of Wales Museum of Western India,

Bombay, and Shri B.V. Shetti, Curator of Archaeology and Numismatics. At the Government Museum, Madras, we thank the Directors, Dr S.T. Satyamurti and Dr H. Harinarayanan, and Shri Devasahayam, Curator of the Department of Archaeology. We are grateful to the Department of Archaeology and Museums, Haryana State, Chandigarh, and to Shri P.K. Sharan, Deputy Director. We further express our most sincere thanks to the Directors of the Kachchh Museum, Bhuj; the Baroda Museum, Vadodara; the Patna Museum, Patna; the State Museum, Lucknow; the Central Museum, Nagpur; and the Archaeological Museum, Trichur. All these institutions have kindly made their material available and given valuable help.

Shri Iravatham Mahadevan, IAS (ret.), Madras, has been of invaluable help to us over the years. We thank him especially for graciously putting at our disposal his indexes to the museum registration numbers and other concordances, which have been of great value in cross-checking the data.

We thank Shri P.V. Narasimha Rao, Minister; and Smt. Krishna Sahi, Minister of State; and also former Minister, Smt. Sheila Kaul; Shri K.P. Singh Deo, Smt. Sushila Rohtagi, former Ministers of State; and Shri P.K. Thungon, former Deputy Minister of State; Smt. Serla Grewal, former Secretary (now Secretary to the Prime Minister); Dr Kapila Vatsyayan, former Additional Secretary (presently Secretary, Indira Gandhi Centre for Art and Culture) in the Ministry of Human Resource Development (formerly designated as the Ministry of Education, Culture and Social Welfare), Government of India; Shri Y.S. Das, former Secretary; and Shri M. Varadarajan, Secretary, Culture; and Shri I.U. Ramchandani, Secretary (ret.), the Indian National Commission for Cooperation with UNESCO. Shri P.A. Nazareth, former Director of the Indian Council of Cultural Relations, Ministry of External Affairs, the Government of India, has also helped the project.

The Ambassadors of India in Helsinki, Shri A.R. Kakodkar and Shri K.P. Fabian, have taken a great personal interest in the project and done much to further it.

The Finnish Ministry of External Affairs and the Embassy of Finland in New Delhi have also been of great assistance to the project. We are much obliged to the Ambassadors Ms Riitta Örö, Dr Risto Hyvärinen and Mr Jan Groop, and to the First Secretaries Mr Hannu Himanen, Mr Mikko Pyhälä and Mr Antti Koistinen, as well as to Ms Kirsti Lintonen. Mr Himanen and Mr Pyhälä devoted much of their time and energy to the project in the course of many years.

The generous financial support of the Finnish Ministry of Education has been indispensable to the project. Our very special thanks go to the Director of International Affairs, Mr Kalervo Siikala, and to Counsellor Ritva Kaipio, both of whom have taken a great personal interest in the publication of the Corpus.

Our grateful thanks for its generous support and encouragement go also to the University of Helsinki. The Chancellor, Prof. Nils Oker-Blom, the Rector, Academician Olli Lehto, and the Dean of the Faculty of Humanities, Prof. Yrjö Blomstedt, have done everything in their power to further the project. We would also like to mention especially Mr Matti Malmberg and Ms Marja Nikkarinen of the University administration, Prof. Heikki Palva, Prof. Simo Parpola and Mr Harry Halen, Lic.Ph., of the Department of Asian and African Studies, and Mr Mauri Laakso and the other staff of the Department of Photography for all possible assistance. Prof. Rauno Ruuhijärvi has kindly allowed the Corpus project to use the photo laboratory of the Department of Botany for years.

At an early stage of the project, Mr Lauri Pohjakallio, M.A., of Kuopio Museum, kindly

helped in planning the photography. Dr Ingo Pini, Editor, Corpus of Minoan and Mycenaean Seals, Marburg, FRG, and Dr Poul Kjaerum, Moesgård Museum, Århus, editor of the Dilmun seals found at Failaka, have given valuable advice, especially on the technique of taking impressions. Dr Paul Yule, formerly of Kommission für Allgemeine und Vergleichende Archäologie des Deutschen Archäologischen Instituts, Bonn, and now in charge of the Corpus of Prehistoric Asian Metal Finds, has kindly supplied us with photos and information of copper and bronze objects. Dr Michael Jansen and Mrs Alexandra Ardeleanu-Jansen, of the Forschungsprojekt Mohenjo-daro, Lehrstuhl für Baugeschichte und Denkmalspflege, Rheinisch-Westphälische Technische Hochschule, Aachen, have given us access to the unpublished original archaeological field books of the excavators of Mohenjo-daro discovered by them in Pakistan. Mrs Ute Franke-Vogt, Institut für Vorderasiatische Altertumskunde, Freie Universität, Berlin, who is working on these records, has sent us copies of her unpublished lists and informed us about the results of her visits to various Indian museums.

The devoted and skilful assistance of Ms Erja Lahdenperä and Mrs Virpi Hämeen-Anttila, as well as of Mr Jyrki Lyytikkä in the last stages, has been indispensable.

We thank Ms Virginia Johnson, B.A., for kindly checking our English.

Our printers, Vientipaino Oy, have done excellent work. We greatly appreciate the expertise and ever ready helpfulness of the director, Mr Jorma Kettunen, the foreman, Mr Heikki Simonen, and the mounters, Mr Ari Niemi and Mr Petri Telaranta.

Last but not least, our profound thanks go to the Academy of Finland for taking over the financial responsibility of the project at a crucial stage. It is hoped that this essential support will continue until the project is completed.

* * *

We trust that the time, labour and money invested in the publication will have been worthwhile. The volume will surely encourage enlightened research on the difficult but fascinating problems of the Indus Civilization. We would like to end this preface by appealing to private persons as well as to institutions owning collections of Indus seals and inscriptions - anywhere in the world - to write to Prof. Asko Parpola, Department of Asian and African Studies, University of Helsinki, Finland, or to Shri Jagat Pati Joshi, Additional Director General, Archaeological Survey of India, New Delhi, India. Photographs of objects (all sides with data on measurements) sent to the editors can be included in the proposed third volume of this Corpus and thereby be made available to research. Purely private communications from knowledgeable quarters will also be greatly appreciated.

Helsinki and New Delhi, July and August 1987

ASKO PARPOLA JAGAT PATI JOSHI

Introduction

1. The Indus seals and the discovery of the Indus Civilization

The Indus Civilization ranks among the most ancient urban cultures of mankind. It covered an appreciably larger area than either the Early Dynastic Egypt or Sumer. Like the other Old World civilizations, the Indus Civilization seems to have grown from the skilful utilization of the fertile river valleys. Its distinctive characteristics - the gridiron layout of the cities, their elaborate drainage, and the puzzling pictographic script - are still best known from the excavations of Harappa and Mohenjo-daro.[1]

Three distinctive seals - representing the object type that has remained most characteristic of the Indus civilization - were found at Harappa in the Punjab and published in 1875, 1886 and 1912.[2] But the full implication of these finds was not realized before excavations were started in 1920 at Harappa, and, by chance almost simultaneously, in 1922, at Mohenjo-daro in Sind, some 600 km south in the Indus valley. More seals of the same type were immediately found at both of these sites, and it became evident that an entirely unknown bronze-age civilization had come to light.[3] This led to large-scale excavations at Mohenjo-daro and Harappa,[4] followed by much more limited digs at Chanhujo-daro further south in Sind.[5] The bulk of the Indus (or Harappan) seals and inscriptions available to research comes from these excavations in the 1920's and 1930's.

In the partition of British India in 1947, all the major sites of the Indus civilization known at that time became part of Pakistan. During the last four decades, due to constant efforts of the Indian archaeologists, more than 862 Early Harappan, Harappan and Late Harappan sites have been

[1] For the Indus civilization in general, its context and for the latest developments, see the works quoted in footnotes 2-26 and the following: Gregory L. Possehl (ed.), *Ancient Cities of the Indus*, New Delhi 1979; id. (ed.), *Harappan Civilization*, New Delhi 1982; A.H. Dani (ed.), *Indus Civilization - New Perspectives*, Islamabad 1981; B.B.Lal & S. P. Gupta (eds.), *Frontiers of the Indus Civilization*, New Delhi 1984; *Vergessene Städte am Indus: Frühe Kulturen in Pakistan vom 8. bis 2. Jahrtausend*, Mainz 1987; and the series *South Asian Archaeology*, from 1971 onwards.

[2] Cf. A. Cunningham, Harappa, in: *Archaeological Survey of India, Report for the year 1872-73*, Vol. V, Calcutta 1875, 105-108 & pl. XXXII-XXXIII; M. Longworth Dames, Old seals found at Harappa, *The Indian Antiquary* XV: 179, January 1886, 1; J.F. Fleet, Seals from Harappa, *Journal of the Royal Asiatic Society* 1912, 699-701.

[3] For a comprehensive history of Harappan studies, see Michael Jansen, *Die Indus-Zivilisation: Entdeckung einer frühen Hochkultur*, Köln 1986.

[4] John Marshall (ed.), *Mohenjo-daro and the Indus Civilization*, I-III, London 1931; Ernest Mackay, *Further Excavations at Mohenjo-Daro*, I-II, New Delhi 1938; M.S. Vats, *Excavations at Harappa*, I-II, New Delhi 1940.

[5] Ernest Mackay, *Chanhu-daro Excavations 1935-36*,American Oriental Series 20, New Haven 1943. Mackay's excavations were a follow-up of the pioneering explorations of N.G. Majumdar. The Indus seals and inscriptions from Amri, Jhukar and Lohumjo-daro included in this volume were discovered by Majumdar and reported by him in the *Annual Report of the Archaeological Survey of India for 1927-28* (1931), 76-83 & pl. XXVII-XXX (Excavations at Jhukar) and in his *Explorations in Sind*, Memoirs of the Archaeological Survey of India 48, Delhi 1934. The seals from Mehi and Shahi-tump were discovered by another famous early explorer, Sir Aurel Stein; see his report, *An Archaeological Tour in Gedrosia*, Memoirs of the Archaeological Survey of India 43, Calcutta 1931.

discovered in the Indian Union. In India the area of distribution of Harappan settlements runs broadly from Manda in Jammu (Jammu & Kashmir) in the north to Daimabad in Maharashtra in the south, and from Desalpur, District Kutch, Gujarat, in the west to Hulas in district Shaharanpur, U.P., in the east.[6] Among the newly extensively excavated sites in India are Kalibangan, Lothal, Surkotada, Daimabad and Banawali. These important excavations have thrown fresh light on the cultural style of the Indus civilization and have produced the greatest number of seals and inscriptions in India.[7] The recently started marine archaeology along the coast of Gujarat has already produced exciting results at Bet Dwaraka.[8]

2. The Indus seals and the external contacts of the Indus Civilization

Immediately after the first news about the discovery of the Indus Civilization was published in 1924,[9] it became apparent that the Harappans had been in contact with the ancient cultures of West Asia. Evidence for this was Indus seals coming from Susa, Ur, and other Mesopotamian sites;

[6] For the progress of the Harappan discoveries in India, see the yearly reports in *Indian Archaeology - A Review*, from 1953/54 through 1984/85 and the following: *Ancient India* Vol. 9 (1953); Jagat Pati Joshi, Madhu Bala and Jassu Ram, The Indus Civilization: A Reconsideration on the Basis of Distribution Maps, in: B.B. Lal and S.P. Gupta (eds.), *Frontiers of the Indus Civilization*, New Delhi 1984, 511-530; Jagat Pati Joshi, Harappa Culture: Emergence of a New Picture, in: K.N. Dikshit (ed.), *Archaeological Perspectives in India Since Independence*, New Delhi 1985, 51ff.; B.M. Pande and B.D. Chattopadhyaya, *Archaeology and History: Essays in Memory of Shri A. Ghosh*, Vol. I-II, New Delhi 1987.

[7] The final reports for only the excavations of Lothal and Daimabad have been published so far: S.R. Rao, *Lothal, a Harappan Port Town (1955-62)*, Vol. I-II, Memoirs of the Archaeological Survey of India 78, New Delhi 1979-1985; and S.A. Sali, *Daimabad 1973-79*, Memoirs of the Archaeological Survey of India 83, New Delhi 1986. For the Late Harappan sites of Rangpur and Prabhas Patan (Somnath) and the non-Harappan site of Maski (relevant for the Corpus on account of its cylinder seal), see S. R. Rao, Excavations at Rangpur and other explorations in Gujarat, *Ancient India* 18-19 (1962-63), 5-207; J.M. Nanavati et al., *Somnath 1956*, Baroda 1971; and B. K. Thapar, Maski 1954: A chalcolithic site of the southern Deccan, *Ancient India* 13 (1957), 4-142.

For the other Harappan sites in India with objects included in this volume, see the preliminary yearly reports in *Indian Archaeology - A Review* (= IAR, quoted here gratefully from the unpublished index by Gregory L. Possehl): Alamgirpur, 58-59: 50-55; Banawali, 83-84: 24-29; Chandigarh, 70-71: 7-8; Desalpur, 63-64: 10-12; Hulas, 82-83: 100-103; Kalibangan, 60-61: 31-33; 61-62: 39-44; 62-63: 20-31; 63-64: 30-39; 64-65: 35-39; 65-66: 38-41; 66-67: 31-33; 67-68: 42-45; 68-69: 28-32; Pabumath, 78-79: 67-68; 80-81: 14; Prabhas Patan, 55-56: 7-8; 56-57: 16-17; 71-72: 12-13: 75-76: 13; 76-77: 17-18; Rohira, 82-83: 65-66; Rojdi, 57-58: 18-23; 58-59: 19-21; 62-63: 8; 64-65: 12; 82-83: 28; 83-84: 19-20; Rupar, 53-54: 6-7; 54-55: 9; Surkotada, 70-71: 13-15; 71-72: 13-21. For Dholavira, cf. D.K. Vaidya, The Harappan seal from Kotda Timba near Dholavira in Khadir, *Bulletin of the Baroda Museum* 25 (1973-74), 33-36 & pl. XI; for Rakhigarhi, cf. Eric Grinstead and Asko Parpola, A Harappan seal from Rakhigadhi, Haryana, *Acta Orientalia* 35 (1973), 103-114 & pl. I; for Tarkhanewala-dera, cf. A. Ghosh, The Rajputana Desert - its archaeological aspect, *Bulletin of the National Institute of Sciences of India* 1 (1952), 37-42.

[8] See *The Statesman*, Delhi, April 17, 1985.

[9] See John Marshall, First light on a long forgotten civilization, *The Illustrated London News*, 20 Sept. 1924, 528-532, 548.

among these were both square stamp seals of a purely native Harappan type and seals combining Harappan and local elements such as the cylinder form.[10]

Later, a few round Indus seals (a type rarely found in the Indus valley) were discovered along with a large number of local round stamp seals[11] on the islands of Failaka and Bahrain in the Gulf, where excavations since the 1950's have revealed a flourishing "Dilmun Civilization".[12] Furthermore when one purely "Dilmun-type" seal (L-123) was found at Lothal,[13] much attention was paid to cuneiform sources dealing with the early maritime trade of Mesopotamia. Three foreign countries are referred to as participants of the sea trade: Dilmun (closest to Mesopotamia), Magan and (farthest away) Meluḫḫa. Magan is now widely identified with Oman and the opposite coast of Makran, and Meluḫḫa with the Harappan realm. Some tablets refer to a village of Meluḫḫans residing near Lagash for generations.[14]

The gradual evolution of the Indus Civilization from the earlier neolithic cultures of the Indo-Iranian borderlands and the relationship of these cultures with those of the ancient Near East and particularly with the cultures of the Iranian plateau and Turkmenia have started being properly understood only during the past decade or so. The French excavations at Pirak (1968-74)[15] and at Mehrgarh, Sibri and Nausharo (1974-87) have been really revolutionary in providing an unbroken stratigraphic sequence from the early 7th millennium to the middle of the 1st millennium B.C. in the Kachi plain, which leads from the Indus valley to the highlands of Baluchistan.[16] The Italian

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[10] See C. J. Gadd, Seals of Ancient Indian style found at Ur, *Proceedings of the British Academy* 18, 1932, 406-422 & pl. I-III. See now also Dilip K. Chakrabarti, Seals as an evidence of Indus - West Asia interrelations, in: Debiprasad Chattopadhyaya (ed.), *History and Society: Essays in honour of Professor Niharranjan Roy*, Calcutta 1978, 93-116; Robert H. Brunswig, Jr., Asko Parpola and Daniel Potts, New Indus type and related seals from the Near East, in: Potts (ed.) 1983 (see fn. 12), 101-115 & pl. I-III.

[11] See Geoffrey Bibby, The 'Ancient Indian Style' Seals from Bahrain, *Antiquity* 32, 1958, 243-246 & pl. XXVI-XXVII; Brunswig et al. (see footnote 9); and Poul Kjærum, *Danish Archaeological Investigations on Failaka, Kuwait. Dilmun/Failaka - The Second Millennium Settlement, Vol. 1:1 Stamp and Cylinder Seals*, Jutland Archaeological Society Publication XVII:1, Aarhus 1983.

[12] See Geoffrey Bibby, *Looking for Dilmun*, Pelican Books, Harmondsworth, 1972; Daniel Potts (ed.), *Dilmun: New Studies in the Archaeology and early history of Bahrain*, Berliner Beiträge zum Vorderen Orient, 2, Berlin 1983; Amiet 1986 (see fn. 20), 171-180. For the cuneiform references to Dilmun, see Pettinato 1972 (see fn. 14).

[13] Cf. S.R. Rao, A 'Persian Gulf' Seal from Lothal, *Antiquity* 37, 1963, 96-99 & pl. IX-XI. Some further Dilmun seals are reported from the submerged city of Bet-Dwaraka off the Kathiawar coast (cf. *The Statesman*, Delhi, April 17, 1985), but they are yet to be published.

[14] A. Leo Oppenheim, The seafaring merchants of Ur, *Journal of the American Oriental Society* 74 (1954), 6-17; Giovanni Pettinato, Il commercio con l'estero della Mesopotamia meridionale nel 3. millennio av. Cr. alla luce delle fonti letterarie e lessicali sumeriche, *Mesopotamia* 7, 1972, 43-166; Simo Parpola, Asko Parpola and Robert H. Brunswig, Jr., The Meluḫḫa village: evidence of acculturation of Harappan traders in late third millennium Mesopotamia? *Journal of the Economic and Social History of the Orient* 20:2, 1977, 120-165.

[15] J.-F. Jarrige, M. Santoni & J.F. Enault, *Fouilles de Pirak* I-II, Paris 1979.

[16] See J.-F. Jarrige, Chronology of the earlier periods of the Greater Indus as seen from Mehrgarh, Pakistan, in: B. Allchin (ed.), *South Asian Archaeology 1981*, Cambridge 1984, 21-28; id., Continuity and change in the North Kachi

excavations at Shahr-i Sokhta in Seistan,[17] the American excavations at Tepe Yahya in Southeastern Iran,[18] and the Soviet excavations in Central Asia[19] are just some of the other crucial archaeological research projects of recent times which have created a veritable explosion of knowledge. The emerging new picture stresses the leading role played by the Proto-Elamites in the increasing cultural interaction in the Iranian plateau during the first half of the third millennium B.C.[20]

Another revelation is the expansion of the Bronze Age Civilization of Northeast Iran during the second half of the third millennium from the Gorgan plain (Tepe Hissar III and related sites) to Southern Turkmenia (Namazga V and related sites), to Seistan (Shahdad), to ancient Bactria (Dashly and Sapalli in Northern Afghanistan), to Baluchistan and to the Indus valley.[21] The current excavations of Sibri and Nausharo near Mehrgarh have proved that intrusive NE Iranians became a dominant element in the lower Indus valley around 2000 B.C, and that their merging with the Indus Civilization started the Late Harappan period.[22]

This immigration is reflected in the seals of the Jhukar period at Chanhujo-daro in Sind (C-41 to 50, especially C-49 and C-50) and at Shahi-Tump (Sht-1) and Mehi (Mehi-1) in Baluchistan. Distant interaction between the NE Iranian and Indus Civilizations is evidenced earlier during the Mature Harappan period. While two Harappan seals have been unearthed at Altin Tepe in southern Turkmenia,[23] one clearly NE Iranian type stepped seal comes from Harappa (see H-166).[24] The

plain (Baluchistan, Pakistan) at the beginning of the second millennium B.C., in: J. Schotsmans and M. Taddei (eds.), *South Asian Archaeology 1983*, Naples 1985, Vol. 1, 35-68; etc.

[17] Maurizio Tosi (ed.), *Prehistoric Seistan*, Vol. 1, Roma 1983.

[18] C.C. Lamberg-Karlovsky, *Excavations at Tepe Yahya, Iran, 1967-1969*, American School of Prehistoric Research Bulletin 27, Cambridge, Mass. 1970; id., Tepe Yahya 1971 - Mesopotamia and the Indo-Iranian Borderlands, *Iran* 10 (1972), 89-100.

[19] See Philip L. Kohl (ed.), *The Bronze Age Civilization of Central Asia: Recent Soviet Discoveries*, New York 1981; Viktor I. Sarianidi, *Die Kunst des alten Afghanistan*, Leipzig 1986.

[20] Cf. C.C. Lamberg-Karlovsky, Third millennium structure and process: From the Euphrates to the Indus and the Oxus to the Indian Ocean, *Oriens Antiquus* 25: 3-4 (1986), 189-219; Pierre Amiet, *L'âge des échanges inter-iraniens 3500-1700 avant J.-C.*, Notes et documents des musées de France 11, Paris 1986.

[21] Cf. the literature in fn. 19 and 20. There are weightly reasons to assume that the NE Iranians represent the first wave of Aryan-speaking immigrants in South Asia, cf. Roman Ghirshman, *L'Iran et la migration des Indo-aryens et des Iraniens*, Leiden 1977; Homer L. Thomas, Archaeological evidence for the migrations of the Indo-Europeans, in: Edgar C. Polome (ed.), *The Indo-Europeans in the Fourth and Third Millennia*, Ann Arbor 1982, 61-86; A. Parpola, The pre-Vedic Indian background of the śrauta rituals, in: Frits Staal (ed.), *Agni: The Vedic Ritual of the Fire Altar*, Vol. II, Berkeley 1983, 41-75; moreover, the three-walled fortress of Dashly suggests that the NE Iranians were the Dāsas mentioned as their enemies by the Rigvedic Aryans, cf. A. Parpola, *The Sky Garment*, Studia Orientalia 57, Helsinki 1985, 76-78.

[22] Cf. Jean-François Jarrige, Les relations entre l'Asie centrale méridionale, le Baluchistan et la vallée de l'Indus à la fin du 3e et au début du 2e millénaire, in: *L'Archéologie de la Bactriane Ancienne*,Paris 1985, 105-120; id., Der Kulturkomplex von Mehrgarh (Periode VIII) und Sibri. Der "Schatz" von Quetta. In:*Vergessene Städte am Indus: Frühe Kulturen in Pakistan vom 8.-2. Jahrtausend v. Chr.*, Mainz 1987, 102-111.

[23] See V.M. Masson, Seals of a Proto-Indian Type from Altyn-depe, in: Kohl (ed.) 1981 (see fn. 19), 149-162, with

few cylinder seals found at the Indus sites have so far been thought to indicate connections with Mesopotamia, where this seal type is most characteristic. However, we now know that the NE Iranian civilization, too, used cylinder seals (which there, of course, ultimately go back to Mesopotamian inspiration);[25] indeed, one cylinder seal from Mohenjo-daro (M-419) resembles more closely the NE Iranian type cylinders in having an engraved motif at the round ends, too. It seems that the cylinder seals of Daimabad (Dmd-4) and Maski (Msk-1) continue the NE Iranian tradition.

Thus the seals have played a leading role in the discovery of the Indus Civilization and its external relations. They continue to be centrally important in the archaeological study of the bronze age, not least as chronological indicators.[26]

3. The function and iconography of the Indus seals and tablets

Preserved ancient seal impressions prove that the Indus seals have served as instruments of control in administration and trade, as in ancient West Asia.[27] Some seal impressions have been made, undoubtedly by the potter, on wet clay pots before firing (cf., e.g., M-420 to 424). Other impressions have survived on clay tags, once attached to bales of goods whose integrity they thus guaranteed. The most important collection of such labels comes from the burnt warehouse of Lothal (L-124 ff.).[28] The study of the seals and seal impressions in combination with their archaeological contexts and details of style and manufacture can significantly contribute to the understanding of the economic and administrative aspects of an ancient civilization.[29]

The quality of the seal increases with its size, and the largest and most expensive seals must have belonged to important persons or institutions. Since the seals were probably worn in a visible

Kohl's note ibid., xix.

[24] The unique T-shaped seal H-165 may also be of NE Iranian origin.

[25] Cf. Marielle Santoni, Sibri and the South Cemetery of Mehrgarh: third millennium connections between the northern Kachi Plain (Pakistan) and Central Asia, in: Bridget Allchin (ed.), *South Asian Archaeology 1981*, Cambridge 1984, 57; I.S. Masimov, Novye nakhodki pecatey epokhi bronzy c nizovie Murgaba, *Sovetskaya Arkheologiya* 1981: 2, 132-150.

[26] The dating of the Indus civilization continues to be a controversial issue. Based on the Near Eastern contacts evidenced by the Indus seals and by cuneiform references to sea-borne contacts with the far-off country of Meluḫḫa since the times of Sargon the Great (c. 2350 B.C.), as well as radiocarbon dates, the time bracket for the mature urban phase is conventionally placed between 2550/2300 and 2000/1700 B.C. Cf. Bridget and Raymond Allchin, *The rise of civilization in India and Pakistan*, Cambridge 1982; D.P. Agrawal, *The archaeology of India*, Scandinavian Institute of Asian Studies Monograph Series 46, London 1982.

[27] Cf. McGuire Gibson and Robert D. Biggs (eds.), *Seals and Sealing in the Ancient Near East*, Bibliotheca Mesopotamica 6, Malibu 1977.

[28] See S.R. Rao, *Lothal: A Harappan port town (1955-62)*, Memoirs of the Archaeological Survey of India 78, Vol. I, New Delhi 1979, 111-114.

[29] Cf. E. Fiandra and P. Ferioli, A proposal for a multi-stage approach to research on clay sealings in protohistorical administrative procedures, in: B. Allchin (ed.), *South Asian Archaeology 1981*, Cambridge 1984, 124-127, with further literature. Ute Franke-Vogt (Freie Universität, Berlin) is preparing a doctoral thesis on the seals of Mohenjo-daro. Cf. also the forthcoming study of Paul Rissman referred to in fn. 84.

fashion by their owners, as is suggested by the cord holes, they are likely to have secondarily functioned as indicators of the wearers' rank, seen at a distance by the size of the seal.[30]

Some of the seals, such as M-319, are carved hollow and provided with a lid so that something - most probably a magic charm - could be kept inside. This has generally been taken to support the old hypothesis that the seals, besides their primary function as administrative instruments, also served as protective amulets. In addition to the script, the majority of the Indus seals contain iconographic motifs, whose clearly religious nature has suggested an amuletic function. The pictorial motifs not only rank among the very best preserved examples of Harappan artistic expressions but also provide some of the most important clues to the Harappan religion and to the accompanying inscriptions.

In addition to being found on the seals, iconographic motifs are found in particular on "tablets". An important general characteristic of this category of objects is that they comprise many identical duplicates. The incised "miniature tablets" from the lower levels of Harappa are the earliest known examples of the fully developed Indus script.[31] Later, incised tablets give way to embossed ones, often massproduced in moulds. Sometimes great numbers of similar tablets (especially H-252 ff.) have been found together, or their find places are very close to each other. This has suggested that most of the tablets, both the embossed and the engraved ones, may have functioned as tokens of votive offerings or of visits to temples.[32]

The inscriptions of the tablets point to such a conclusion, too. Many of the tablets have on one side a U-shaped sign which looks like a pot drawn in profile; it is preceded by zero to four vertical strokes that clearly stand for numbers. In M-494 A and M-495 A, there is a sequence of three U-shaped signs in succession: this may be another way to write the sequence 3 + U occurring on numerous tablets and apparently meaning "three pots". Sometimes the U-shaped sign on the reverse of tablets is held in the hand of a kneeling or standing man-sign (cf. H-247 A). In the moulded tablets M-478 and M-479, the sign combination of 4 + U stands next to an iconographic scene where a kneeling worshipper extends a pot shaped like the U-formed sign towards a tree. Apparently the tree is sacred, and the man is presenting the pot (or according to the inscription, four pots) to it as an offering.[33]

The engraved copper tablets of Mohenjo-daro form an unusual class of inscribed objects, in that their inscriptions and iconographic motifs are clearly interrelated; this is not so obvious in other classes of Indus inscriptions, although cases like the above cited tablets M-478 and M-479 may occasionally be found.[34]

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[30] Cf. Asko Parpola, The relative size of the seals and other clues to the royal titles of the Harappans, *Tamil Civilization* 1986: 3-4, special number on the Indus script edited by I. Mahadevan (in press).

[31] See M.S. Vats, *Excavations at Harappa*, Delhi 1940, Vol. I, 324ff.

[32] Cf. E. Mackay, *Further Excavations at Mohenjo-daro*, Delhi 1938, Vol. I, 349-351.

[33] Cf. Asko Parpola, On the Harappan 'yoke-carrier' pictogram and the *kāvadi* worship, *Proceedings of the Fifth International Conference-Seminar of Tamil Studies held in Madurai, South India, 5-10 January 1981*, Madras 1981, Vol. I, 2: 73-89; cf. also B. Hrozný, Inschriften und Kultur der Proto-Inder von Mohenjo-daro und Harappa (ca. 2400-2100 B.C.): Ein Entzifferungsversuch, *Archiv Orientalni* 13 (1942), 36.

[34] For an analysis of the copper tablets, see Asko Parpola, Tasks, methods and results in the study of the Indus script, *Journal of the Royal Asiatic Society* 1975:2, 196ff. with fig. 12, and Paul Yule, *Figuren, Schmuckformen und*

The interpretation of the iconography of the Indus seals and tablets constitutes a major scholarly challenge. Various comparisons have been made with the ancient West Asian glyptics as well as with the later art of classical India.[35] Although it is impossible to go into detail here, one further example may be briefly mentioned because of its intrinsic interest and also in order to point out that these two kinds of comparisons need not be mutually exclusive. Sir John Marshall's identification of a "Proto-Śiva" in the buffalo-horned deity of a famous seal from Mohenjo-daro (M-304)[36] may well be correct, and so may be Alf Hiltebeitel's even more convincing identification of this figure as "Proto-Mahiṣa"[37], although this deity and his "yogic posture" have close counterparts in the earlier glyptic art of the Proto-Elamites.[38] Comparative studies thus suggest that the Indus Civilization may have been an integral if marginal part of the West Asian cultural area and that there is an unbroken cultural continuity in South Asia from the Harappan times until the present day.

4. The enigma of the Indus script

From the very beginning, the pictographic Indus script has been the most tantalizing one among the many problems presented by the Harappan culture. Slightly more than 3500 short inscriptions hold an answer to the most debated question concerning this early urban culture, that concerning its language. Many attempts at deciphering this unknown writing system have been made ever since the first specimen was published in 1875, and all sorts of 'solutions' have been proposed.

The Indus script has been considered as genetically connected with the Brahmi script of early historical India.[39] Other hypotheses have connected the Indus script with the scripts of the ancient

Täfelchen der Harappa-Kultur, Prähistorische Bronzefunde I: 6, München 1985.

35 The excavation reports contain a substantial discussion of the iconography of Indus seals and tablets. See further, also for art history appreciation of the Indus glyptics, Heinz Mode, *Indische Frühkulturen und ihre Beziehungen zum Westen,* Basel 1944; id., *Das frühe Indien,* Stuttgart 1959; E.C.L. During Caspers, Some motifs as evidence for maritime contact between Sumer and the Indus Valley, *Persica* 5 (1971), 107-118 & pl. VIII-XI; id., Harappan trade in the Arabian Gulf in the third millenium B.C., *Mesopotamia* 7 (1972), 167-191; id., Sumer, Coastal Arabia and the Indus Valley in Proto-Literate and Early Dynastic Eras: Supporting evidence for a cultural linkage, *Journal of the Economic and Social History of the Orient* 22 (1979), 121-135; A. Parpola, New Correspondences between Harappan and Near Eastern Glyptic Art, in: B. Allchin (ed.), *South Asian Archaeology 1981,* Cambridge 1984, 176-195; A. Ardeleanu-Jansen, Die Kunst der Indus-Zivilisation, in: Michael Jansen, *Die Indus-Zivilisation,* Köln 1986, 211-235.

36 Cf. John Marshall, *Mohenjo-daro and the Indus Civilization,* London 1931, I, 52ff.

37 Alf Hiltebeitel, The Indus Valley "Proto-Śiva", reexamined through reflections on the Goddess, the buffalo, and the symbolism of *vāhanas, Anthropos* 73 (1978), 767-797. Mahisa Asura seems to be identical with Śiva in the terrible or Bhairava aspect, having the form of a fierce buffalo. Cf. A. Parpola, *The Sky Garment,* Studia Orientalia 57, Helsinki 1985; id., From Iśtar to Durgā, in: G. Sontheimer and M.L.K. Murty (eds.), *Durgā and the Buffalo,* Heidelberg (in press).

38 See the last but one paper cited in fn. 35.

39 Cf. A. Cunningham, *Inscriptions of Asoka,* Corpus Inscriptionum Indicarum I, Calcutta 1879, 61f.; Stephen Langdon, in: John Marshall (ed.), *Mohenjo-daro and the Indus Civilization,* London 1931, Vol. II, 426; G.R. Hunter, Mohenjo-daro - Indus epigraphy, *Journal of the Royal Asiatic Society* 1932, 466-503; id., *The script of Harappa and Mohenjo-daro and its connection with other scripts,* London 1934; among the numerous Indian scholars maintaining

Sumerians, Proto-Elamites, Egyptians, Hittites and Chinese and even with Etruscan pot-marks and with script-like carvings on wooden tablets found in the Easter Island, in the middle of the Pacific Ocean. The language underlying the Indus script has been supposed to be Sumerian, Proto-Dravidian, Proto-Indo-European, Proto-Indo-Iranian, Sanskrit, Prakrit, and so on.[40]

But no unanimity has been reached even on the basic issues, and most literature on the Indus script requires a lot of sifting in order to pick up useful ideas. The main reason for this unfortunate state of affairs is the fact that all keys that opened other unknown scripts are unavailable here. There are no bi- or multilingual inscriptions giving the same text in both Indus script and some readable characters. There are no understood historical texts which could tell the names of the Harappan gods, kings or cities, or which would quote samples of the language spoken by the Indus people. Even the type of the writing system represented by the Indus script is debated. Moreover, all the texts are short and limited in nature: the average length is five signs, and the longest texts, two identical three-sided tablets (M-494 and M-495), contain 26 signs each. The longest inscription on any single side of an object is found on a seal (M-314) with 17 signs divided into three lines.

But students of the Indus script must face these formidable difficulties and the pessimistic prognoses based on them. In fact, some more objective work has been done also. There has been serious discussion of the methodology, and essential research tools in the form of documentation and concordances have been created. On one point, at least, most scholars agree: the direction of writing usually is from right to left (but in the seal stamps, engraved in mirror image, from left to right); however, in some texts (particularly in the early tablets from Harappa) the direction of writing runs from left to right, and in a few texts alternatingly, boustrophedon.[41]

We cannot enter into a detailed discussion of the Indus script and its study here. For this, the reader is referred to literature published elsewhere.[42] In the sequel we shall only try to justify our

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this view, mention may be made of S.R. Rao (*The Decipherment of the Indus script*, New Delhi 1982), who derives the Brahmi script as well as the Semitic alphabet from the Indus script. However, it is a well-established fact that the Brahmi script is derived from the Semitic consonantal alphabet, and this in turn from the uniconsonantal signs of the Egyptian hieroglyphic writing. Cf. e.g. Georg Bühler, *Indische Palaeographie*, Grundriss der Indo-Arischen Philologie und Altertumskunde I:11, Strassburg 1896, 10ff.; A.H. Dani, *Indian Palaeography*, Oxford 1963, 23ff.; I.J. Gelb, *A study of writing*, 2 ed., Chicago 1963, 147ff, 197f.

[40] For surveys of various attempts at deciphering the Indus script, see Arlene R. K. Zide, A brief survey of work to date on the Indus valley script, *Papers from the 4th Regional Meeting, Chicago Linguistic Society, April 19-20, 1968*, Chicago 1968, 225-237, reprinted in *Journal of Tamil Studies* II:1, 1970, 1-12; Jaroslav Vacek, The problem of the Indus script, *Archiv Orientální* 38, 1970, 198-212; N.V. Gurov, Izuchenie protoindiyskikh tekstov (kratkij obzor), in: *Soobščhenie ob issledovanii protoindiyskikh tekstov - Proto-Indica: 1972*, Moskva 1972, I, 5-51.

[41] Cf. Stephen Langdon, in: John Marshall (ed.), *Mohenjo-daro and the Indus Civilization*, London 1931, Vol. II, 427f.; C.J. Gadd and Sidney Smith, ibid. 409-411; G. R. Hunter, *The script of Harappa and Mohenjo-daro and its connection with other scripts*, London 1934, 37-43; B.B. Lal, The direction of writing in the Harappan script, *Antiquity* 40, 1966, 52-55 & pl. XII-XIII; id., A further note on the direction of writing in the Harappan script, *Puratattva* 1, 1967-68, 15-16 & pl. I; I. Mahadevan, *The Indus script: Texts, concordance and tables*, Memoirs of the Archaeological Survey of India 77, New Delhi 1977, 10-14.

[42] Excellent general introductions to the ancient writing systems and the methodology of their decipherment are: I.J. Gelb, *A study of writing*, rev. ed., Chicago 1963; id., Written records and decipherment, in: T.A. Sebeok (ed.), *Current Trends in Linguistics* 11, The Hague 1973, 253-284; Ernst Doblhofer, *Voices in stone: The decipherment of*

belief that the present work will constitute an indispensable tool for research in this field: the *Corpus of Indus Seals and Inscriptions* endeavours to collect all the primary material necessary for the study of the Indus script and to make it available in as good form as possible.

5. Earlier documentation of the Indus seals and inscriptions

The collection, edition and careful indexing of all existing material is a basic requirement in the critical and methodical study of any unknown script.

A praiseworthy early undertaking in this task was the book by G.R. Hunter published in 1934[43]. It contained drawings of all the Indus texts excavated by February 1927 (comprising 518 texts from Mohenjo-daro and 243 texts from Harappa), with a documentation of the excavation numbers, as well as a concordance to the occurrences of each individual sign within these inscriptions. Hunter further discussed this evidence and drew certain conclusions from it. Even if one disagrees with his general findings, Hunter is to be credited for a good number of pertinent observations and for the preparation of a valuable research tool.

The official reports of the excavations at Mohenjo-daro, Harappa, Chanhujo-daro and Lothal[44] have included photographs and very substantial and comprehensive descriptions of most of the seals and inscribed objects discovered. It must be noted, though, that the photographs of many duplicate inscriptions from Harappa (and a few from Mohenjo-daro) were omitted from the excavation reports, being replaced in the data tabulations by the short statement "similar to....". Objects in a bad state of preservation were also excluded. The reports of Mohenjo-daro and Harappa further comprise sign lists which record occurrences of the individual pictograms. The sign lists are valuable, even include a few unpublished texts, but are not always accurate and are limited to a portion of the material

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ancient scripts and writings, transl. by Mervyn Savill, London 1961, 1973; E.W.J. Barber, *Archaeological decipherment*, Princeton 1974; and Maurice Pope, *The story of decipherment*, London 1975.

Entitled *Sealed Secrets of the Indus*, a monograph on the problems relating to the script, language and religion of the Indus Civilization is being prepared by A. Parpola. Many issues have been dealt with by this author in the following overviews, the first three of which include extensive bibliographies: Tasks, methods and results in the study of the Indus script, *Journal of the Royal Asiatic Society* 1975: 2, 178-209; The problem of the Indus script, in: D.P. Agrawal and Dilip K. Chakrabarti (eds.), *Essays in Indian Protohistory*, Delhi 1979, 163-186; The Indus script: a challenging puzzle,*World Archaeology* 17:3, 1986, 399-419; Zur Entzifferung der Indus-Schrift, in: *Vergessene Städte am Indus: Frühe Kulturen in Pakistan vom 8. bis 2. Jahtausend*, Mainz 1987, 196-205; and Religion reflected in the Indus script: Penetrating into long-forgotten picto+graphic messages, *Visible Religion* 6, 1987. See also K. Koskenniemi, Syntactic methods in the study of the Indus script, *Studia Orientalia 50* (1981), 125-136.

43 G. R. Hunter, *The script of Harappa and Mohenjo-daro and its connection with other scripts*, London 1934.

44 See above, footnotes 4,5,7. These reports remain essential, and the reader is referred to them also because the detailed catalogue of the material published in this volume will be published later, in the third volume of the Corpus. It is, however, useful to keep in mind that a few mistakes have crept into the excavation reports, especially that of Harappa. Thus, pictures of two-sided tablets have occasionally been mixed up, so that the two sides of a given object actually belong to two different objects. Sometimes two sides of one object have been separated from each other and given separate numbers. The tabulations are not fully reliable, either: in addition to misprints, some objects have excavation numbers which are quite different from those written on the respective objects themselves.

only.

A computer-drawn concordance to the Indus inscriptions was published in 1973 by a group of Finnish scholars.[45] In the preparation of this work, Dr Asko Parpola visited the principal museums in Pakistan and India in 1971 in order to compare the readings based on the published photographs with the original objects. To his surprise he found more than 400 seals and inscriptions from Mohenjo-daro and Harappa that had never been published.[46] Most of them came from the digs carried out by the custodians of the site museums after the official excavations and reported only very briefly in the Annual Reports of the ASI.[47] (Fortunately, the unpublished fieldbooks of these as well as of the official excavations have since been discovered in Pakistan, and are in the process of being published.[48])

Mr Mahadevan brought out his edition and concordance of the texts in the Indus script in 1977, improving upon the Finnish concordance in several respects.[49] Besides, Mahadevan could include more text material on the basis of the Photo Archive of the ASI, which preserves old unpublished photographs of objects since lost. On the other hand, however, Mahadevan excluded all material that Asko Parpola had discovered in the museums of Pakistan and that had been included in the Finnish concordance. Mahadevan's book further included a listing of the texts on which the concordance is based, good documentation, and several cross charts with interesting statistics of different kinds.

Dr Parpola had gone through the Photo Archive of the ASI in 1975 and identified most of its material. In collaboration with Dr Kimmo Koskenniemi, he brought out a revised edition of the Finnish concordance in three volumes in 1979-1982, since there was still scope for improving upon the reading of the inscriptions and upon Mahadevan's work. The new version was published in a preliminary limited edition as research reports, because the work on the present *Corpus of Indus Seals and Inscriptions* was expected to bring still further improvements upon the textual readings as well as new inscriptions.[50] The updated version will appear in print after the publication of the three

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45 Seppo Koskenniemi, Asko Parpola and Simo Parpola, *Materials for the study of the Indus script, I: A concordance to the Indus inscriptions*, Acta Academiae Scientiarum Fennicae B 185, Helsinki 1973.

46 Cf. *Newsletter of the Scandinavian Institute of Asian Studies* 5, 1972, 12ff.

47 Cf. *Annual Report of the Archaeological Survey of India, 1930-31, 1931-32, 1932-33 & 1933-34*, Calcutta 1936, 70-72; *1934-35*, Calcutta 1937, 31-33 & pl. X; *1935-36*, Calcutta 1938, 35-36; *1936-37*, Calcutta 1940, 39-41. This was noted by I. Mahadevan, who had simultaneously made the same discovery.

48 Michael Jansen and Günther Urban (eds.), *Mohenjodaro: Report of the Aachen University Mission 1979-1985. Section One: Data Collection. Vol. I: Catalogue and Concordance of the Field Registers 1924-1938. Part One: The HR-Area Field Register 1925-1927.* Leiden 1985. Five further parts of Vol. I are to follow.

49 Iravatham Mahadevan, *The Indus script: Texts, concordance and tables*, Memoirs of the Archaeological Survey of India 77, New Delhi 1977. One improvement was the general arrangement of the concordance, which took the single sign as the basis, as in Hunter's concordance, while the Finnish concordance indexed the pairwise combinations of signs and left the isolated occurrences of signs unindexed.

50 Kimmo Koskenniemi and Asko Parpola, *Corpus of texts in the Indus script*, Department of Asian and African Studies, University of Helsinki, Research reports 1, Helsinki 1979; id., *Documentation and duplicates of the texts in the Indus script*, Ibid. 2, Helsinki 1980; id., *A concordance to the texts in the Indus script*, Ibid. 3, Helsinki 1982. The reference numbers of the inscriptions in the Finnish concordance will be changed to those of the Corpus, so as to ease comparison with the photographs. The typological and iconographical classifications will be revised as well.

volumes of the Corpus, for such a standardized and indexed text edition remains a necessary complement to the photographic Corpus.

6. The purpose and scope of the Corpus

The texts in standardized editions and corcordances are based upon the subjective judgements of individual scholars, and they do not display all the intricacies of the originals. Moreover, they contain numerous admittedly doubtful readings. Objective photographic documentation of the original inscriptions thus is a necessary complement to such textual studies. Photographs of the original objects are equally indispensable tools for the historians of art and religion studying the iconographic motifs and for archaeologists engaged in a comparative study of the objects. In short, there is no replacement for good photographs of all the Indus seals and inscriptions.

A major part of the material has been published in photographs in the excavation reports of Mohenjo-daro and Harappa: they illustrate altogether roughly 2500 objects. These publications have long been out of print and difficult to procure. It is true that they have been reprinted in recent years, but the quality of the photographs in the reprints is so low that they are practically unusable. The published photographs of the rest of the material, on the other hand, are scattered in a number of publications, and their mere collection involves great difficulties for persons without access to specialized libraries.

It would have been simple enough to collect and reproduce the old photographs of the earlier publications. Such a procedure, however, would have resulted in a book that would not have fully satisfied the serious student of the Indus script and iconography. The size and quality of the illustrations, even in the original reports, is not always sufficient. Moreover, the available material is documented incompletely, for, as pointed out above, there are many hundreds of unpublished objects: objects coming from excavations conducted at Mohenjo-daro and Harappa after the conclusion of the official excavations; a large number of duplicate and broken or indistinct objects, especially from Harappa; and objects from excavations and explorations carried out in India and Pakistan during the past few decades but not yet published in full.

Apart from their inscriptions and iconography, the seals form an important category of artifacts in their own right, which we have seen to have much relevance for the study of the external relations of a culture as well as of its internal processes. Therefore, in addition to all the inscriptions in the Indus script, this Corpus will contain all the Harappan seals, including those without any inscription. In the case of other object types, 'inscription' has occasionally been understood rather liberally so as to include, for example, K-119, a most interesting 'terracotta cake' from Kalibangan, though its incisions form an iconographic motif rather than an inscription.

Moreover, the concept of 'Indus seals' is to be understood in its widest meaning. In addition to the Mature Harappan period or the Indus Civilization proper, the Corpus will, with certain restrictions, cover the Early and Late Harappan periods as well and also include all the imported seals of foreign types coming from Harappan sites.[51] Furthermore, 'Harappan' is understood to

[51] See the discussion in chapter 2. In the past, some clearly imported seals like H-166 have often been treated as Harappan; in order to prevent this from happening in the future, the word "foreign" has, space permitting, been put in the page caption of the Corpus at such seals.

include closely related cultures such as that of Kulli in Baluchistan or Prabhas Patan in Saurashtra. Thus the "Northeast Iranian" type seal coming from the Kulli site of Mehi has been included, and it would have been folly to exclude the NE Iranian type seal from Shahi-tump found in Indian collections. Although Maski is not a Harappan site, the cylinder seal found there is of great interest: obviously made in India - witness its elephant motif - it demands comparison with the cylinder seal found not so far from Maski, in Daimabad, in a Late Harappan context.

Some objects kept in the museum collections together with Indus seals or inscriptions have been purposely excluded as irrelevant. In the case of this volume, these include some Kuṣāṇa coins from Mohenjo-daro,[52] some Harappan ear studs (?) with geometrical motifs carved on them,[53] and some quite indistinct objects from Lothal.[54]

The relatively few seals and clearly Harappan-type inscriptions from the Late Harappan period have been included in the Corpus, but Late Harappan graffiti have been excluded, with a few exceptions. These graffiti are short and appear to be just "pot-marks" rather than real writing. Still, they are potentially interesting to the student of the Indus script, even though not to the same extent as the Early Harappan pot-marks. The problem is their great number, coupled with the difficulties of drawing a line between Late Harappan and Post-Harappan and of finding the original potsherds. For these reasons we have decided not to reproduce the graffiti from Rangpur in this volume; these have been collected and published (only partially in photographs) by S.R. Rao.[55] Only the most elaborate Late Harappan "inscription" from Rangpur (Rgp-2) has been reproduced in this volume along with the one original sherd that could be traced (Rgp-1). The "Late Harappan inscriptions" from Machiala Mota[56], the signs painted on Jorwe pottery from Daimabad[57], and, among other things, the graffiti on red pottery from Ganeshwar[58] have been excluded for similar reasons.

7. The documentation of the objects

Original objects and their present-day impressions

Because the texts carved in mirror image on the seals are to be read as they appear in the impression, the reports of the excavations at Mohenjo-daro and Harappa published just the

[52] (Sd 2756, ASI 63.10.294) Two copper coins, one round, one square; one copper coin found by R.D.Banerjee (ASI 63.10.301); and one round copper coin (Y 71, ASI 63.10.418).

[53] DK 8991 (PWM 350); DK 12204 (PWM 351); HR 225 (IM 10508, A 7978) and HR 822 (PTN Arch. 10259) from Mohenjo-daro; 336 (IM 11109, A 21202) and 3603 (IM 11101, A 22435) from Harappa; and one of uncertain provenance (PWM 352). Cf. E. Mackay, *Further Excavations at Mohenjo-daro*, Delhi 1938, Vol. I, 532f.

[54] The objects having the exc. nos. 2839 and 3750 could be remnants or elements of seals, but this seems most uncertain, and in any case they contain no writing. The clay lumps having the exc. nos. 1837, 1856, 1890, 1984, and 5242 contain no trace of a seal impression.

[55] S.R. Rao, Excavations at Rangpur and other explorations in Gujarat, *Ancient India* 18-19 (1962-63), 5-207, especially p. 130 and pl. XXV B - XXVIII.

[56] Cf. S.R. Rao, in: D.P. Agrawal and A. Ghosh (eds.), *Radiocarbon and Indian archaeology*, Bombay 1973, 329.

[57] See *Indian Archaeology 1974-75 - A Review*, pl. XXVI.

[58] See R.C. Agrawala, Aravalli, the major source of copper for the Indus and Indus-related cultures, in: B.B. Lal and S.P. Gupta (eds.), *Frontiers of the Indus Civilization*, New Delhi 1984, 157-162, especially pl. 71.

impressions. However, the impression may not faithfully reproduce all the features of the original, and the original always remains the ultimate authority. On the other hand, the impression is needed not only because it shows the inscription in its proper form but also because it sometimes reveals details not immediately visible by the inspection of the original. For example, it is harder to see an inscription on a rough or transparent or multicoloured surface than in an impression taken on a neutral and unweathered material (cf. M-221 and L-36). Thus the original and its impression complement each other and furthermore make a double checking possible.

As a rule, an impression of an object is always published in this Corpus when the object was originally meant to produce one, as is the case with the stamp seals. Exception is taken to this rule, however, if it was not possible to get an impression, as for example if a seal was too brittle. In addition, an impression is published whenever it clearly helps in understanding an object meant to be read directly (e.g., H-176).

The ASI has taken the responsibility for making the impressions of these unique and often fragile Harappan objects. The use of silicone rubber was considered, but in their tests the chemists of the ASI came to the conclusion that the condition of the objects does not allow this material to be used. Unfortunately the plasticine used instead is not sensitive enough, so that all details have often not been reproduced. Moreover, small crevices often form when a forceful impression is made on plasticine, with a result that is not aesthetically pleasing even if it may otherwise be adequate (cf., e.g., M-32 a & M-208 a). And in the case of large seals especially, it is difficult to obtain a good impression in which all parts of the inscription and the device are perfect. However, in the vast majority of the seals, the new impression is much better than the old one.

Since an impression was taken and photographed twice for most of the objects, there was often the possibility to choose a second if one was not good, but in numerous cases neither version was publishable. In 1987, an effort was made to obtain a good new impression of such seals. Where this could not be done, recourse was taken to old impressions made soon after the excavations, either those published in the excavation reports or, if better, those available in the Photo Archives of the ASI.

It would have been possible to replace missing or bad impressions by reversed prints of the original seals, but this procedure was strictly refrained from; it could have lead to serious misunderstandings, for some seals have a reversed direction of writing.

Broken objects

Old photographs have been published besides the new if they clearly complement each other[59] and whenever they show an object in a state of preservation that is better than its present state. A broken object may have been restored afterwards, and in some cases the impression taken nowadays of the object may be quite misleading.[60]

59 Sometimes the photograph of a new impression was received only after the printing was started, with the result, e.g., that *M-81 a bis* now makes *M-81 a* irrelevant.

60 Cf., e.g., H-141 and especially H-129. From *M-277 a*, an old impression, it can be seen that one corner was originally missing from this seal. The restoration evidenced already in another early impression, *M-277 a bis*, seems dubious, for the inscription in the added corner does not seem to fit.

The excavation reports sometimes left one wondering whether the object depicted is complete, and if not, how much is missing. This can be checked by examining its back or sides. In the case of the regular square seals, this is often superfluous, because the estimate can be made from the front side itself, but for the rectangular seals without iconography it is indispensable to see the flank side and the position of the cord hole that is usually pierced through its centre.[61]

The different sides of the objects and their specification

Many of the objects have two or more (up to six) sides with inscriptions, pictures or engravings of one kind or another. It is clear that all such sides had to be photographed and published. But the photography carried out for the Corpus was extended to comprise even the empty sides. This procedure made it possible to verify afterwards whether a given side of a specific object really is empty. Another reason for documenting all the sides of the objects was the need to check the excavation number (and often the museum number as well), which has usually been painted on the object.[62]

Originally the publication of all the sides of all the objects was contemplated, but this would have been too expensive, and for most of the users of the Corpus, the sides now left out are of little interest. So only a selection of the uninscribed sides is published in the Corpus: they are shown when needed to give an idea of the shape of the object, especially if a divergent type of seal is concerned.[63]

The different sides of the objects are indicated in the Corpus by means of capital letters, which normally have the following significance: A = the obverse (which is taken as the point of reference for the other sides) / B = the reverse / C = the upper side / D = the right side / E = the lower side / F = the left side. The principal (rectangular) sides of the three-sided prisms are numbered A, B, and C and their (triangular) ends D and F.[64]

The corresponding lower case letter is used to refer to the impression taken of any of the sides, for instance, a = impression of A.

Different inscriptions (for instance, impressions made with separate seals) on any one side of an object have been numbered with Arabic numerals following the letter for the side, and usually the corresponding numbers have been marked beside the respective inscriptions alongside the photograph. The order is, conventionally, from left to right and from top to bottom.

If two or three different photographs of the same side are published, the code number for the second, third and fourth photograph is followed by the words *bis, ter* and *quater* respectively. Such photographs are usually arranged in the temporal order, from the oldest (first) to the latest (last). If

[61] This can sometime be tricky. For example, the seal L-84 at first sight seems to be complete even when one looks at its side edges, because the hole goes through the middle of the seal. But the remains of a second hole show that the seal has been reshaped.

[62] In some cases the excavation number painted on the object differs from that assigned to it in the lists of the excavation reports; sometimes the difference is likely to be due to a mistake in the report; sometimes the number painted on the object has become obliterated and has been erroneously restored.

[63] However, it was deemed unnecessary to show all the sides of some shapeless lumps (such as L-120). If side edges are shown, it is the edge with a hole going through the object that is selected.

[64] An additional letter G is used in M-494 and M-495 which, classified as three-sided prisms, actually are four-sided.

different parts of the same side are shown in several photographs (as in the case of the cylinder seal M-418), these are given a separate Arabic numeral put within parentheses after the letter indicating the side: M-418 A (1), M-418 A (2), etc. The same is done if one picture gives a general view of a side and another an enlargement of its inscription (as in the case of the pots M-420 to M-422).

The aim of these conventions is to make each photograph and the reference to it unambiguous.

The scaling and printing of the photographs

In the excavation reports, the seals are normally depicted in their natural size, but this scale has proved to be too small for a clear recognition of all details of the inscriptions and iconographic motifs. The policy adopted in this Corpus is to print all the sides of all objects bearing either inscriptions or any kind of iconography in double size (2:1, or 200%) whenever possible, and their uninscribed sides (if illustrated at all) either in the natural size (1:1, or 100%) or in the double size (200%) . All exceptions to this rule will be specifically indicated in each case. Most of the graffiti from Lothal are shown half-sized (50%) - this percentage is given in the page caption, and exceptions to it *in casu*.

As the great majority of the photographs is in the same scale, one will have an idea of the relative size of the different objects. This is important, because in the case of the seals, for instance, the relative size seems to convey information of its own.[65]

The major part of the prints was made on plastic in order to avoid the distortions due to the stretching of wet paper. Moreover, while photographing the original objects Ms Lahdenperä measured them, and most of the prints have been enlarged by using these measurements.[66] Note, however, that reproductions of (published and unpublished) old photographs especially, which were not necessarily in the correct size originally and which were mechanically enlarged in the double size, are liable to be slightly inaccurate. As the actual measures of the objects will be listed separately in the third volume and are partly available even now in the published reports, the reader will be able to check the size of the photographs.

Deep etching gives an aesthetically pleasing look to the page, but it has its drawbacks.[67] For this reason it is used sparingly in the Corpus.

8. The criteria of arrangement and related conventions of the Corpus

General considerations

Theoretically, the Indus seals and inscriptions could be classified in several ways. For example, the inscriptions could be arranged according to the pictographic sequences they contain. However, this arrangement would only serve the needs of scholars interested in the script and is better left to the concordances of the script. If the concordances are keyed to the Corpus, cross-reference and verification will be easy, whatever the principles of arrangement.

[65] Cf. above, at fn. 30.

[66] If the enlargement is based on a scale visible in the picture, there is an element of error, for the scale is often at a different level from the surface of the object.

[67] Cf., e.g., E. Mackay, *Further Excavations at Mohenjo-daro*, Delhi 1938, Vol. II, no. 361 with M-153 below.

Ernest Mackay, in *Further Excavations at Mohenjo-daro,* arranged the objects coming from Mohenjo-daro according to the different areas of the site and the absolute depth of the finding place from the surface.[68] He wished to control the data from the point of view of archaeological distribution, looking for evolutionary and other trends. The result was chaotic: objects of different types and sizes were mixed with each other. Unless one knows the number of the object, it is impossible to locate it without scanning through the entire material. In the present Corpus, the archaeological context is taken into account in the arrangement of the objects when it is feasible and useful: thus the objects from the Late Harappan period from Lothal (graffiti only) and Chanhujo-daro (seals) are presented as a separate section at the end.

The aim of the classification must be efficiency in placing and locating any given object within the whole. The type of the object, form, material, iconographic motif, size, style and state of preservation have been chosen as parameters in the Corpus, in this order. A solution of this kind, which makes a neat layout possible, was followed by Sir John Marshall in *Mohenjo-daro and the Indus Civilization* and, less successfully, by M.S.Vats in *Excavations at Harappa.*

The 1st criterion: the owners of the objects; and the overall publication plan

Ideally, of course, one would like to see all the objects coming from a single site, for example Mohenjo-daro, neatly arranged into one single sequence. There are, however, other considerations and realities, which have made it impracticable to realize this ideal. Instead, the Corpus is divided into three volumes according to the first criterion of physical location and ownership of the original objects. In this the *Corpus of Indus Seals and Inscriptions* follows the example of the *Corpus of Minoan and Mycenean Seals*, for instance, which is divided into different volumes according to the museums in which seals are preserved. The first volume of the Corpus presents the collections housed in the museums of India, the second volume the collections in the museums of Pakistan.[69]

The third volume will contain the relatively few objects known to exist in collections outside India and Pakistan and the large number of lost objects, which are not directly documentable but must be published as old photographs only. Besides addenda to the previous volumes, this third (and for the time being last) volume will also contain a detailed catalogue of all the objects of the Corpus, documenting (in addition to the excavation and museum numbers, which are given separately in the first two volumes as well) such matters as the archaeological context, measures, notes on the material, manufacture, text and iconography, and published references. Furthermore this information will be fully indexed.[70]

This first volume, then, contains 1537 Indus seals and inscriptions physically existing in

[68] On Mackay's "stratigraphy", cf. Jansen 1986 (fn. 3), 52-54.

[69] We want to emphasize that the order of the volumes is due simply to the fact that the Indian material first reached the stage when publication could be begun and has no political implications. In fact, the possibility of leaving out the volume numbers altogether in order to avoid the issue was considered, but then dropped as impractical.

[70] This arrangement has practical reasons. The first two volumes are bulky because of a large number of photographs, while the third volume will contain an essentially smaller number of photographs. Therefore, it has more space to accommodate both the lengthy catalogue and the indexes, which naturally should be cumulative. Even the museum indexes, which would have been handy in the first two volumes, have to be published in the third volume for these reasons.

public collections in India. We have excluded the objects stolen from the Prince of Wales Museum of Western India, Bombay, although photographs of these objects are available; they will be published as lost objects in the third volume. As far as possible, we have tried not to publish old photographs, but to procure new better ones. When originals almost certainly existing in Indian collections could not be located, however, we have resorted to reproductions. If better pictures of such objects are obtained later, they will be published in the third volume.

The 2nd criterion: the provenance of the objects; and their numbering system

It is clearly undesirable to lose control over the sitewise distribution of the objects; a purely typological arrangement mixing objects from all sites would be inadvisable. The site from which the object comes has to be a primary parameter of the classification. Now that seals and inscriptions coming from one and the same site will be distributed in several volumes, a flexible new numbering system is required which will both allow additions at will and make it easy to place the object in its proper context.[71] The *Corpus of Indus Seals and Inscriptions* employs a separate consecutive numbering for each site, prefixed by a letter code which is more easily remembered than a numerical code. The major sites have a short, one-letter code. These sites are, moreover, arranged in each volume according to the total number of seals and inscriptions found at them, in the descending order. The sites which are "smaller" (in respect to the number of seals and inscriptions found at them) have a two-, three- or four-lettered code corresponding to their standard archaeological abbreviations and they are arranged in alphabetical order for easy reference. (See the table of contents.) The letter prefix for the site is followed by a dash and the number of the object assigned to it by its place within the classification sequence. Thus the objects from Mohenjo-daro in this first volume are numbered M-1 to M-620, and they are followed by the objects from Harappa starting with H-1. The objects from Mohenjo-daro in the second volume will start with M-621. Any number of additions can be made.

The 3rd, 4th and 5th criteria: the object type, form and material; and the symbols in the page captions

After the site, the next criterion of organization of the Corpus is the type of the object.

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[71] In the recent editions and concordances, the Indus inscriptions from Mohenjo-daro and Harappa were keyed to the published excavation reports: a number code was allotted to each of these reports and prefixed to the consecutive numbers used for the objects in the plates of the respective report. This basic reference number system was then extended to cover the other sites as well and also the unpublished objects from Mohenjo-daro and Harappa found in museums. In principle, one could recognize the site from which any given object came from the first one or two digits of its four-digit reference number. However, this system has its obvious drawbacks and limitations. Mohenjo-daro required three separate first numbers: 1 for Marshall's report, 2 for Mackay's report, and 0 (in the Finnish concordance) or 3 (in Mahadevan's concordance) for the unpublished objects. The small sites required at least two consecutive first numbers, difficult to remember. And not only had this system become a bit complex, but it also started to run out of numbers. Cf. S. Koskenniemi, A. Parpola and S. Parpola, *Materials for the study of the Indus script I: A concordance to the Indus inscriptions*, Annales Academiae Scientiarum Fennicae B 185, Helsinki 1973, xvi; and I. Mahadevan, *The Indus script: Texts, concordance and tables*, Memoirs of the Archaeological Survey of India 77, New Delhi 1977, 30.

Table 1 lists in order and explains the simplified symbols for the typological subcategories used in the page captions of volume one. Because this table simultaneously gives a convenient overview of the typological classification of the seals and tablets, the captions over each page are explained first in this context.

The caption lists in order (1) the full name of the site and the numbers of the objects coming from it that are illustrated on the page; (2) the principal object type spelled out in letters; (3) simplified symbol(s) specifying the form of the object(s); (4) material (if metal), iconographic motif(s) and size class(es) expressed with Roman numerals. Occasionally, exceptional scaling or archaeological period is mentioned. Only one-line captions are used, and information that cannot be accommodated is dropped, starting from the last categories. The captions have been reversed on even-numbered pages, in order to place the first and most needed subcategories closest to the page number on the right.[72]

We have tried to keep the typological classification as simple and unambiguous as possible. Four broad categories are distinguished: (1) seals & seal impressions, (2) tablets, (3) graffiti on pottery and (4) miscellaneous. These main groups, which are functionally different from each other, are subdivided further according to formal criteria. The material of the object is taken into account next, but only in the form of a broad division into non-metal and metal (mainly copper or bronze)[73] objects, which are placed at the end of each class.

Seals are the most important category of Indus inscriptions in terms of frequency, so they are placed at the beginning. The most common basic form of the Indus seals is square, which is placed first, and the next frequent form, rectangular, is placed after it. Within both forms, subcategories are distinguished.

The *square seal* normally has a perforated boss at the back, which apparently served both for hanging the seal by a cord and as an aid in making the impression. This type is presented first, with the rare example of a metal (silver) seal at the end, followed by the exceptional seals of this category: those that have been inscribed on more than one side and those having a case (probably for an amulet) inside them. Next follow the square seals where the boss is absent: first perforated seals with one side inscribed, then perforated seals with two or more sides inscribed, and then the unperforated seals similarly subdivided. These seals without a boss share similar inscriptions and iconographic motifs with the ordinary seals having a boss, so they have been placed after them, before the seals with nothing but a swastika or some other geometric motif, although the reverse of these last-mentioned seals does have a perforated boss (usually smaller than the normal seals and undivided, see M-332).

Imported foreign objects are usually placed at the end of each category; thus a fine Iranian square seal with a perforated undivided boss (M-353) is the last of the square seals of Mohenjo-daro.

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[72] The decision to reverse the captions on even-numbered pages was perhaps not quite so felicitous, because they have become somewhat difficult to interpret: each subcategory forms an entity to be read from left to right, so two or more symbols of form class (each with or without information on the iconographic motifs on the left) are to be read from left to right on even-numbered pages.

[73] Most of the Harappan metal objects are copper rather than bronze; cf. D.P. Agrawal, *The archaeology of India*, Scandinavian Institute of Asian Studies Monograph Series 46, London 1982, 151. It is hoped that all the objects can be properly analysed in the near future, so that the results can be published in the detailed documentation of the third volume.

The normal type of *rectangular seals* has a profile that is straight on the front side and convex on the back side with a hole for the suspension cord going through the middle (cf. M-354 C).[74] Whenever the side profile is rectangular, or the back has a boss similar to that of the square seals, this is shown by publishing the relevant side(s) (cf. M-407ff.).

Other forms of seals are rare, and in most cases these forms have been inspired by foreign models, if the seal itself is not a foreign import (see above, chapter 2). The *round seals* of the Indus Civilization have a perforated boss of the same type as the square seals and differ in this respect from the round "Dilmun" seal (L-123). In the round seals of the Late Harappan period, the suspension hole goes through the flat body of the seal (cf. C-45 to 50). With regard to the *cylinder seals,* which come next, before the *stepped seals,* it has to be pointed out that two small cylinders from Harappa have been classified as incised tablets (H-368 and H-369).[75]

The ancient *seal impressions* stand for the seals they were once made with, so they are placed next to the actual seals. A distinction is made between impressions on pots, which come first, and impressions on clay tags. Uninscribed sides of clay tags that have been attached to bales of goods are illustrated, if they bear significant traces of the package material. The tags have been arranged according to the number of seal impressions they contain, those with single impressions being placed first, then according to the iconography and the inscriptions of the seal impressions.[76]

There is a large group of objects which we have lumped together and called, neutrally, *tablets.* A basic distinction is made between stamped or moulded tablets, whose texts and iconography are *in bas-relief,* and *incised* or engraved tablets, whose texts are depressed. The incised copper tablets (placed at the end), so far found at Mohenjo-daro alone, can be divided into three groups according to their shape: square, rectangular and oblong (or long rectangular).

Round tablets in bas-relief often bear a square seal impression on one side and are flat on the other side. These round 'tablets' are placed at the beginning, because they might also be classed as seal impressions;[77] they may have functioned as tokens of identification, or 'passports' of representatives of the seal owners. Since some of the other tablets in bas-relief, too, may have been produced with the help of seals, these round tablets have not been separated from the rest.

In both of the main categories, the embossed and the engraved, the tablets are subdivided firstly according to their form (and material) and secondly according to their iconography, size, and condition of preservation. We have tried to avoid form-based classifications that will lead to ambiguous cases and practical difficulties: thus, the class of rectangular shape includes both thin and thick tablets and evenly flat tablets as well as tablets that are slightly thicker at the centre than at the edges. Finer classifications have been proposed, but they are difficult to carry through in practice

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[74] The arch of the back is usually smooth (as in the case of M-354), sometimes edged (cf. M-374 C), but as this distinction is often a question of degree, it is not systematically noted in the Corpus.

[75] The fact that the inscription has the normal direction of writing, from right to left, in the original cylinder but is reversed in the impression, is in itself not a sufficient proof for such a cylinder not being a seal, because the direction of writing has not yet been fixed in the early layers of Harappa. But the inscription in H-369 C connects this object with the vast majority of the 'tablets'.

[76] The Lothal tags with multiple seal impressions have been arranged in accordance to the preliminary analysis presented by Asko Parpola, The Indus Script: A Challenging Puzzle, in: *World Archaeology* 17: 3, February 1986, 401 f. with fig. 1.

[77] Incised tablets with a round shape have a different place in the sequence.

and would complicate locating a given object in the Corpus.

The term *graffito* is understood here to mean inscriptions incised on pottery before or after firing and inscriptions painted on pottery.[78] An attempt has been made to place graffiti with similar signs together, and the better and clear inscriptions at the beginning. When the text is very fragmentary, it is often quite uncertain in which direction the potsherd should be read. The reader, therefore, must never take the solution offered in the Corpus for granted, but be prepared to turn the photograph around.

Miscellaneous objects is a heterogenous category designed to accommodate the few odd objects that fall outside the other typological classes. Inscribed copper or bronze weapons and tools is the most important object type here, but in this volume the category also comprises an incised terracotta cone (M-619) and an incised shell ladle (M-620).

The 6th criterion: the iconographic motifs

The classification of the iconographic motifs in the Corpus is based on the following oppositions:

iconographic motif : no iconography
animate : inanimate
moving animate being : unmoving animate being   object : design
animal : anthropomorph
real animal : imagined animal
single : group   joined animals : composite animal

A detailed analysis of the iconography of the Indus seals and tablets is in preparation and will be published elsewhere. What we offer here is a broad classification of motifs sufficient for organizing the material into coherent classes: 'unicorn' / urus / bison / zebu / buffalo / markhor / goat / deer / rhinoceros / elephant / tiger / hare / snake / gharial / animal group / joined animals / composite animal / anthropomorph / tree / cult object (variously interpreted as a manger, incense burner or filter) / ship / swastika / other geometric design.

The 'unicorn' motif is placed first because it is the most common one of the Indus seals. The style of representing this animal in profile, so that just one single horn is shown, has in all probability been borrowed from the art of the ancient Near East. Although this representation undoubtedly has had a mythological explanation and importance in the Harappan religion, the 'unicorn' is likely to be a real animal (probably the urus, or Bos primigenius) which actually had two horns. It is in fact sometimes depicted as having two horns, but for the sake of analysis and classification, these two-horned representations have been separated from the 'unicorns' under the immediately following heading of 'urus'. These two headings are followed by other bovids, these by caprids and other cloven-hoofed ruminants.

An "animal group" consists of two or more natural animals appearing on one object, either

[78] Not infrequently, it is difficult to distinguish between a painted inscription on pottery and a painted pot decoration. This applies especially to the Early Harappan 'pot-marks', many examples of which will be published in the second volume of the Corpus.

separately or forming one scene like the two confronting bisons. "Joined animals" usually have more than one head (as do the three tigers joined into a rhomb in M-295 or the bison which, in addition to its own head, has the head of the 'unicorn' in M-298) or, while composed of two or more animals, may not be complete animals (for example, just the heads and necks of two 'unicorns' are joined with each other and a fig tree and a cult object in M-296).[79] The "composite animal", again, is a complete beast whose body parts belong to different animals.

Usually only one type of composite animal is represented in the seals. It has the horns of the zebu, the face of man, the tusks and the trunk of the elephant, the neck and front legs of the goat, the middle body of the 'unicorn', the hind legs of the tiger, and the snake for a tail (cf. M-299 to M-302).[80] But in the incised copper tablets of Mohenjo-daro, one can distinguish several composite animals. The composite nature of most of the animals depicted on these copper tablets has rarely been recognized so far.[81] The "mastiff" of the excavation reports, for example, is actually a composite animal put together of the zebu (horns), tiger (head and front part of the body) and rhinoceros (back part of the body). In this fashion, we distinguish the following composite animals on the copper tablets (given separate Roman numerals when occurring after one another): buffalo + man + deer (?) + snake (M-504 to 506) / markhor + unicorn (M-543 to 549) / two-headed zebu + tiger (?) + unicorn (M-550) / markhor + camel + buffalo (M-551 to 566) / zebu + tiger + buffalo (M-567 to 570) / zebu + elephant + rhinoceros + snake (M-571) / zebu + tiger + rhinoceros (M-572 to 574) / zebu + camel + rhinoceros + snake (M-575 to 581).

The "anthropomorph" is another broad category, which lumps together almost[82] all the scenes in which any man-like figure is seen. This motif is broadly arranged as follows:[83]

sitting anthropomorphic deity / anthropomorphic deity inside a fig tree / "contest": hero fighting with two tigers / man sitting in a tree and a tiger beneath looking at him / tiger-bodied goddess / deity holding by the hand two men who carry uprooted trees / archer / men jumping over a buffalo / man spearing a buffalo / tree-worship / sexual intercourse / religious procession with carried cult objects.

The 7th, 8th, and 9th criteria: the size, style, and state of preservation

The size criterion implies that, other things being equal, the larger object comes first. Only in two categories of objects has it seemed necessary to distinguish between several size groups according to their height, for both intrinsic and layout reasons.

The rectangular seals without iconography have been divided into three classes: (I) 18.5 mm and more, (II) 13 to 18 mm, (III) 12.5 mm and less.

[79] For the iconography of C-26 and C-41, cf. A. Parpola, The Sumerian 'bull-harp' motif in late Indus seals from Chanhujo-daro (forthcoming).

[80] M-303 represents a deviant type, with not only the horns but also the hump of the zebu and a less human face.

[81] An exception is Paul Yule, *Figuren, Schmuckformen und Täfelchen der Harappa-Kultur*, Prähistorische Bronzefunde I: 6, München 1985, 32-34. Yule's analysis is somewhat different in detail.

[82] The scene in M-439 to M-441 B is classified as an "animal group" although three anthropomorphs are seen in it.

[83] This sketchy list is not exhaustive for the anthropomophic motifs nor is it meant to provide an adequate description of the scenes involved.

The square 'unicorn' seals have been divided into six groups: (I) 43.5 mm and more, (II) 35 - 43 mm, (III) 29 - 34.5 mm, (IV) 23 - 28.5 mm, (V) 17.5 - 22.5 mm, (VI) 17 mm and less.

Within each size group, the 'unicorn' seals have been further arranged according to stylistic criteria. We have adopted the basic scheme developed by Paul Rissman by placing first the unicorns with a "collar", then the unicorns with "hatched neck", and finally the unicorns with "hatched face". Each of these groups, which apparently have a chronological significance, is subdivided according to the details of the "cultic object" in front of the unicorn.[84]

As a general principle, badly broken objects are placed after the better preserved specimens of their category. However, exception is taken to this rule in the class of rectangular seals, which are arranged according to their length, since broken seals have once been longer than the full seals of the same length.

9. A note on the material and production of the objects and on the colour photographs

Space forbids discussing the material and production of the Indus seals and inscriptions in any detail here; for this the reader is once again referred to the excavation reports. It can only be noted that the great majority of the Indus seals are made of steatite, generally whitish in colour. The seals were first sawed and cut into their forms and then polished; the subject was outlined with a sharp point and then engraved with a drill. Finally the seal was coated with an alkali and heated. It seems that the alkali coating was applied mainly to dark steatite in order to make it white. Heating hardens the steatite, which is a very soft stone, and thus protects it against wear. The various stages of this process can been seen from different examples, the unfinished ones being particularly instructive.[85]

The moulded tablets are normally made of terracotta or faience, but there are also a few cast copper tablets (placed at the end), while the incised tablets usually are of steatite or copper.

Some selected objects are shown in colour and in as big enlargements as the space allows at the end of the volume. In part, this 16-page selection aims at doing justice to the artistic beauty of some superb pieces of Harappan art, and partially it is intended to convey an idea about the colour and material of the objects.[86] Naturally some enlargements, such as that of the "Proto-Śiva" seal (M-304), are also meant to help scholars in distinguishing important details. No scale is given, because the relative and absolute size of the objects may be seen from the black-and-white photographs, to which they are keyed.

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[84] Cf. Paul Rissman, The organization of stamp seal production in the Harappan Civilization (unpublished draft manuscript of a forthcoming study, 1986).

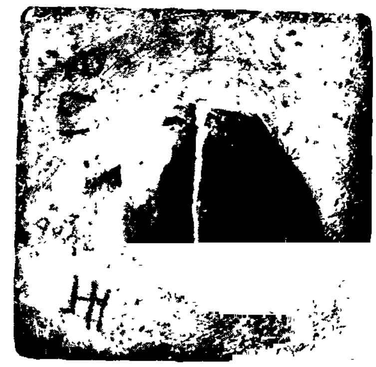
[85] Cf. E. Mackay, *Further Excavations at Mohenjo-daro*, Delhi 1938, Vol. I, 346ff.; id., *Chanhu-daro Excavations 1935-36*, New Haven 1943, 145f.

[86] Of the objects illustrated in the colour photographs, 10 (M-332), 20 (M-453), 23 (M-445) and 26 (H-231) are said to be faience (20 "with a white glossy coat", 23 with traces of green glaze); 21 (M-449), 22 (M-440), 31 (K-89), 32 (K-96) and 35 (Sktd-3) are pottery (21 once coated with dark chocolate coloured slip); and 24-25 (M-534) copper. All the rest are said to be steatite (of different colours), but this remains to be checked by mineralogists.

Mohenjo-daro



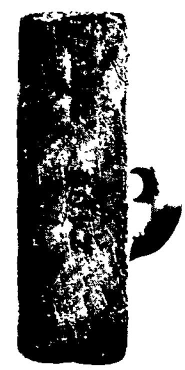
M-1 A



M-1 B



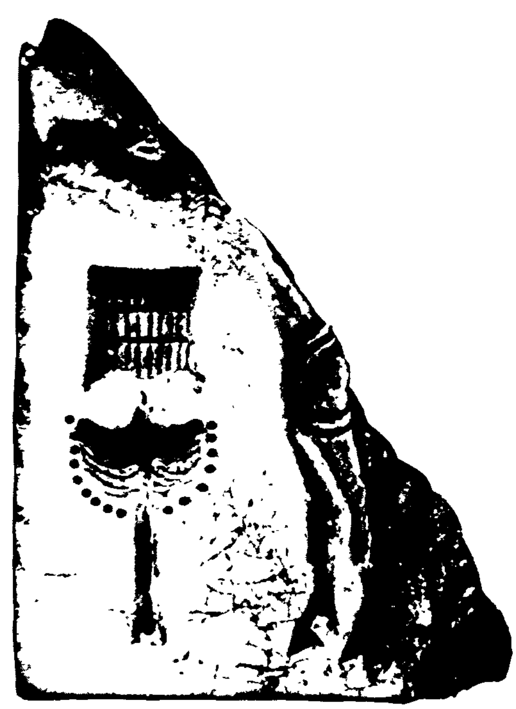
M-1 C



M-1 D



M-1 a



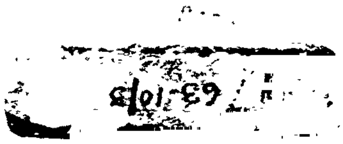
M-2 A



M-3 A



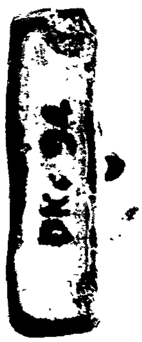
M-3 a



M-4 C



M-4 B



M-4 D



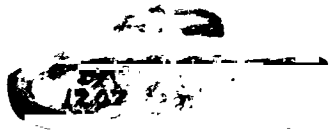
M-4 A



M-4 a



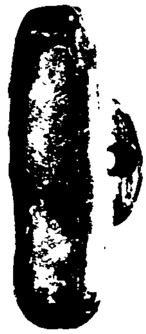
M-5 A



M-5 C



M-5 B



M-5 D



M-5 a



M-6 A



M-6 a



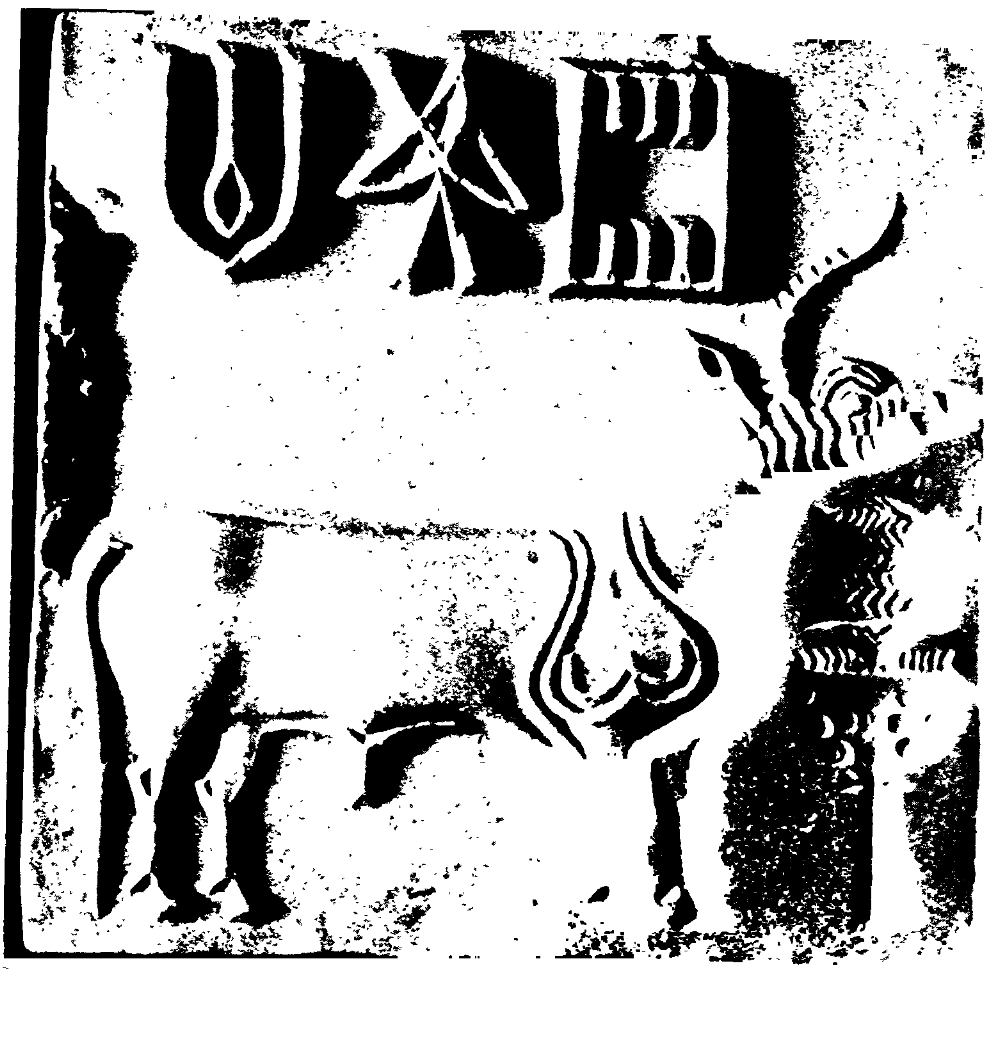
M-7 A



M-7 a



M-8 A



M-8 a



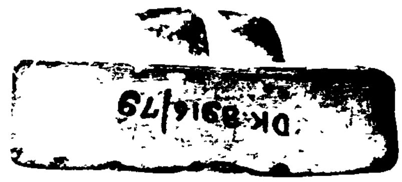
M-9 A



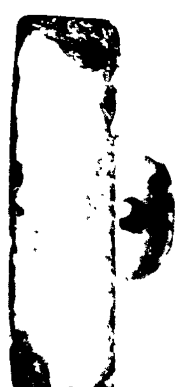
M-9 B



M-9 a



M-9 C



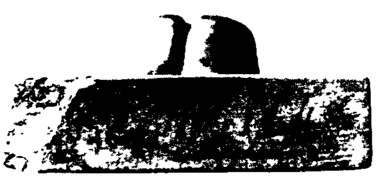
M-9 D



M-10 B



M-10 A



M-10 C



M-10 a



M-10 D



M-11 A



M-11 a



M-12 A



M-12 a



M 13-A



M-13 a



M-14 A



M-14 a



M-15 A



M-15 a



M-16 A



M-16 a



M-17 A



M-17 a



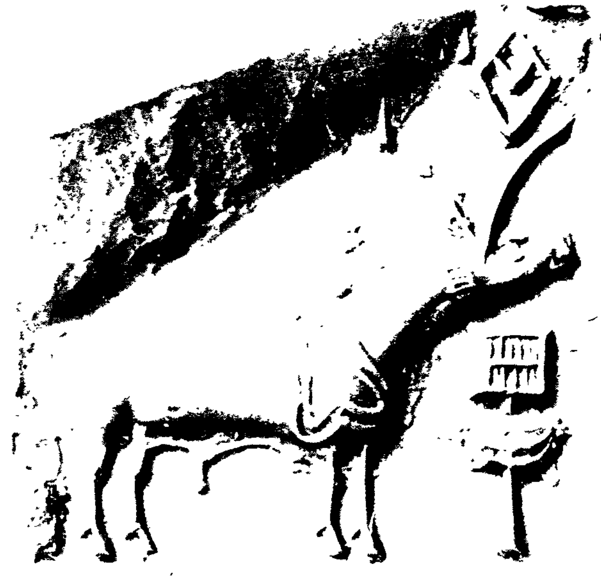
M-18 A



M-18 a



M 19-A



M-19 a



M-20 A



M-20 a



M-21 A



M-21 a



M-22 A



M-22 a



M-23 A



M-23 a



M-24 A



M-24 a



M-25 A



M-25 A bis



M-25 a



M-26 A



M-26 a



M-27 A



M-27 a



M-28 A



M-28 a



M-29 A



M-29 a



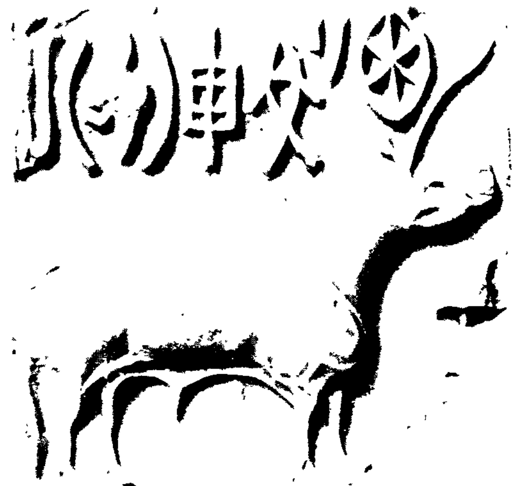
M-30 A



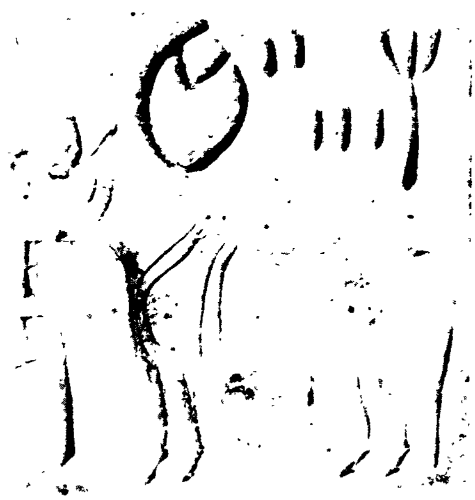
M-30 a



M-31 A



M-31 a



M-32 A



M-32 a



M-33 A



M-33 a



M-34 A



M-34 a



M-34 A bis



M-34 a bis



M-35 A



M-35 a



M-36 A



M-36 a



M-37 A



M-37 a



M-38 A



M-38 a



M-39 A



M-39 a



M-40 A



M-40 a



M-41 A



M-41 a



M-42 A



M-42 a



M-43 A



M-43 a



M-44 A



M-44 a



M-45 A



M-45 a



M-46 A



M-46 a


M-47 A


M-47 a


M-48 A


M-48 a


M-49 A


M-49 a



M-50 A



M-50 a



M-51 A



M-51 a



M-52 A



M-52 a



M-53 A



M-53 a



M-54 A



M-54 a



M-55 A



M-55 a



M-56 A



M-56 a



M-56 a bis



M-57 A



M-57 a



M-58 A



M-58 a



M-59 A



M-59 a



M-60 A



M-60 a



M-61 A



M-61 a



M-62 A



M-62 a



M-63 A



M-63 a


M-64 A


M-64 a


M-65 A


M-65 a


M-66 A


M-66 a



M-67 A



M-67 a



M-68 A



M-68 a



M-69 A



M-69 a



M-70 A



M-70 a



M-71 A



M-71 a



M-72 A



M-72 a



M-72 B



M-72 C



M-72 D



M-73 A



M-73 a



M-74 A



M-74 a



M-74 a bis



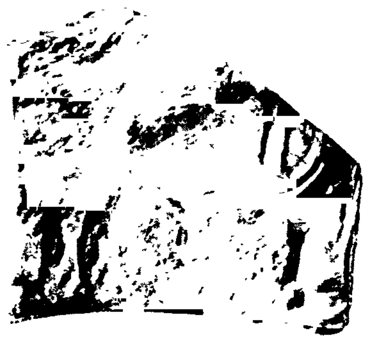
M-75 A



M-75 a



M-76 A



M-76 a



M-77 A



M-78 A



M-79 A



M-77 a



M-78 a



M-79 a



M-80 A



M-81 A



M-80 a



M-81 a



M-81 a bis



M-82 A



M-83 A



M-82 a



M-83 a



M-83 a bis



M-84 A



M-85 A



M-86 A



M-84 a



M-85 a



M-86 a



M-87 A



M-88 A



M-87 a



M-87 a bis



M-88 a


M-89 A


M-90 A


M-91 A


M-89 a


M-90 a


M-91 a


M-92 A


M-93 A


M-94 A


M-92 a


M-93 a


M-94 a



M-95 A



M-96 A



M-95 a



M-95 a bis



M-96 a



M-97 A



M-98 A



M-99 A



M-97 a



M-98 a



M-99 a



M-100 A



M-101 A



M-102 A



M-100 a



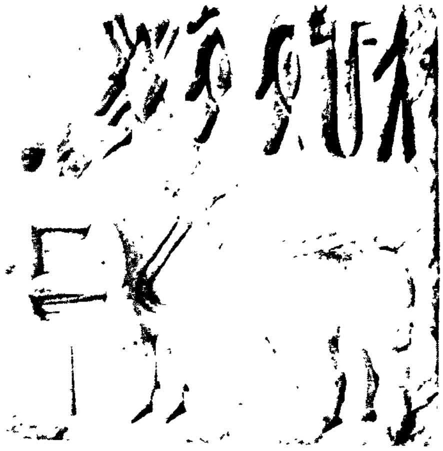
M-101 a



M-102 a



M-103 A



M-104 A



M-103 a



M-104 a



M-104 bis


M-105 A


M-106 A


M-107 A


M-105 a


M-106 a


M-107 a


M-108 A


M-109 A


M-110 A


M-108 a


M-109 a


M-110 a



M-111 A



M-112 A



M-113 A



M-111 a



M-112 a



M-113 a



M-114 A



M-115 A



M-116 A



M-114 a



M-115 a



M-116 a


M-117 A


M-118 A


M-119 A


M-117 a


M-118 a


M-119 a


M-120 A


M-121 A


M-122 A

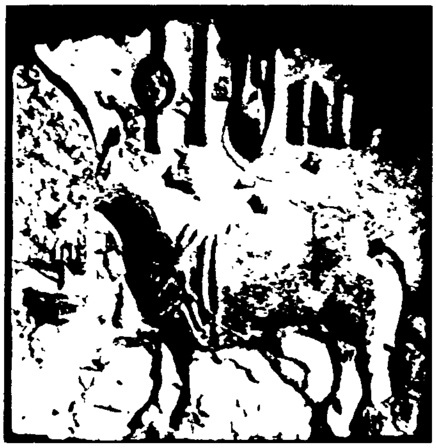

M-120 a


M-121 a


M-122 a


M-123 A


M-124 A


M-125 A


M-123 a


M-124 a


M-124 C


M-124 B


M-126 A


M-127 A


M-127 A bis


M-126 a


M-127 a



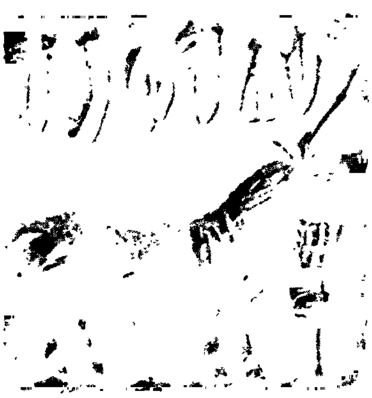
M-128 A



M-129 A



M-130 A



M-128 a



M-129 a



M-130 a



M-131 A



M-132 A



M-133 A



M-131 a



M-132 a



M-133 a


M-134 A


M-135 A


M-134 a


M-135 a


M-135 a bis


M-136 A


M-137 A


M-138 A


M-136 a


M-137 a


M-138 a



M-139 A



M-140 A



M-141 A



M-139 a



M-140 a



M-141 a



M-142 A



M-143 A



M-144 A



M-142 a



M-143 a



M-144 a


M-145 A


M-146 A


M-147 A


M-145 a


M-146 a


M-147 a


M-148 A


M-149 A

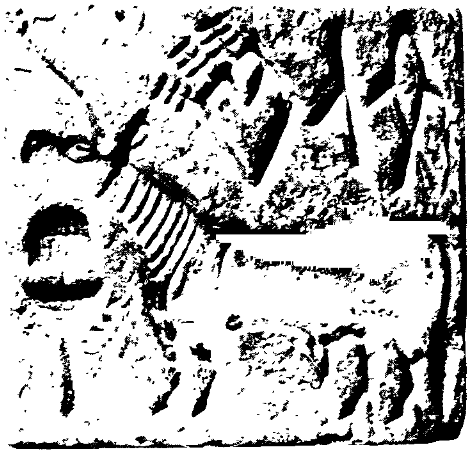

M-149 A bis


M-148 a


M-149 a



M-150 A



M-151 A



M-152 A



M-150 a



M-151 a



M-152 a



M-153 A



M-154 A



M-155 A



M-153 a



M-154 a



M-155 a


M-156 A


M-157 A


M-158 A


M-156 a


M-157 a


M-158 a


M-159 A


M-160 A


M-161 A


M-159 a


M-160 a


M-161 a



M-162 A



M-163 A



M-164 A



M-162 a



M-163 a



M-164 a



M-165 A



M-166 A



M-167 A



M-165 a



M-166 a



M-167 a



M-168 A



M-169 A



M-168 a



M-168 a bis



M-169 a



M-170 A



M-171 A



M-172 A



M-170 a



M-171 a



M-172 a



M-173 A



M-174 A



M-175 A



M-173 a



M-174 a



M-175 a



M-176 A



M-176 a



M-177 A



M-177 a



M-178 A



M-178 a



M-179 A



M-179 a


M-180 A


M-180 a


M-181 A


M-181 a


M-182 A


M-182 a


M-183 A


M-183 a

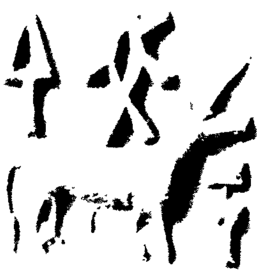

M-184 A


M-184 a


M-185 A


M-185 a


M-186 A


M-186 a


M-187 a


M-187 A


M-188 A


M-188 a


M-187 a bis


M-189 A


M-189 a


M-190 A


M-190 a


M-191 A


M-191 a


M-192 A


M-192 a


M-193 A


M-193 a


M-194 A


M-194 a


M-195 A


M-195 a


M-196 A


M-196 a


M-197 A


M-197 a


M-198 A


M-198 a



M-199 A



M-199 a



M-200 A



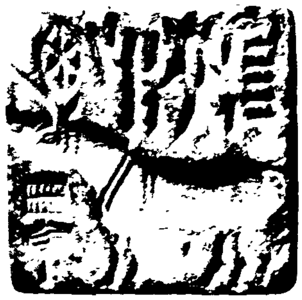
M-200 a



M-201 A



M-201 a



M-202 A



M-202 a



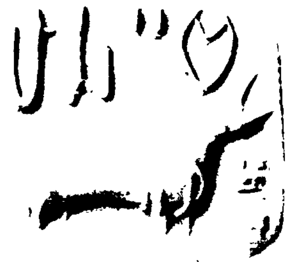
M-203 A



M-203 a



M-204 A



M-204 a



M-205 A



M-205 a



M-206 A



M-206 a



M-207 A



M-207 a



M-208 A



M-208 a


M-209 A


M-209 a


M-210 A


M-210 a


M-211 A


M-211 a


M-212 A


M-212 a


M-213 A


M-213 a

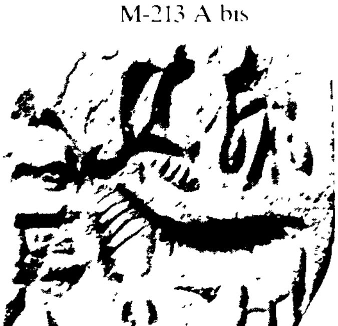

M-214 A


M-214 a


M-213 A bis

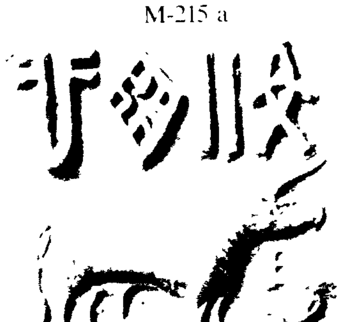

M-215 A


M-215 a


M-216 A


M-216 a


M-217 A


M-217 a



M-218 A



M-218 a



M-219 A



M-219 a



M-220 A



M-220 a



M-219 a bis



M-221 A



M-221 a



M-222 A



M-222 a



M-223 A



M-223 a



M-222 A bis



M-224 A



M-224 a


M-225 A


M-226 A


M-227 A

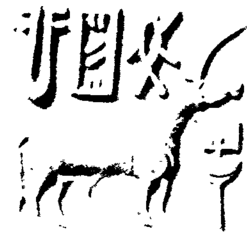

M-228 A


M-229 A


M-225 a


M-226 a


M-227 a


M-228 a

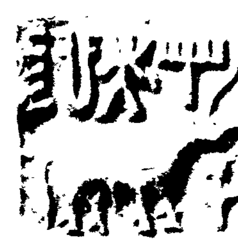

M-229 a


M-230 A


M-231 A


M-232 A


M-230 a


M-231 a

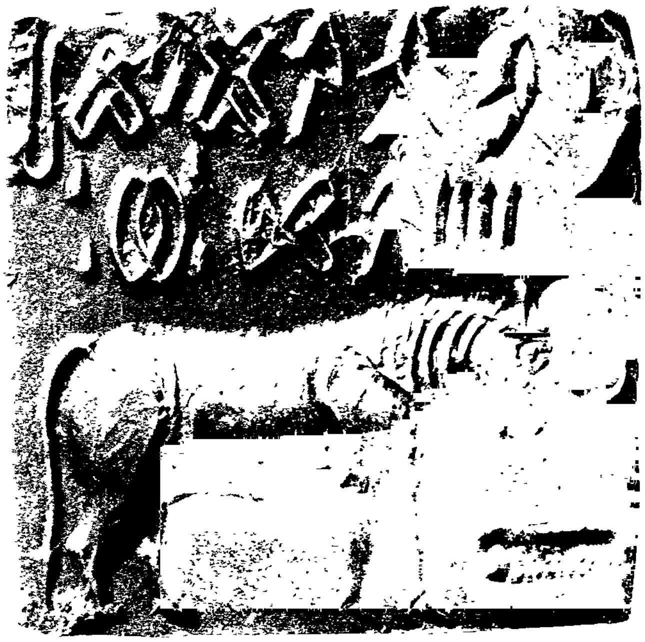

M-232 a


M-233 A


M-233 a



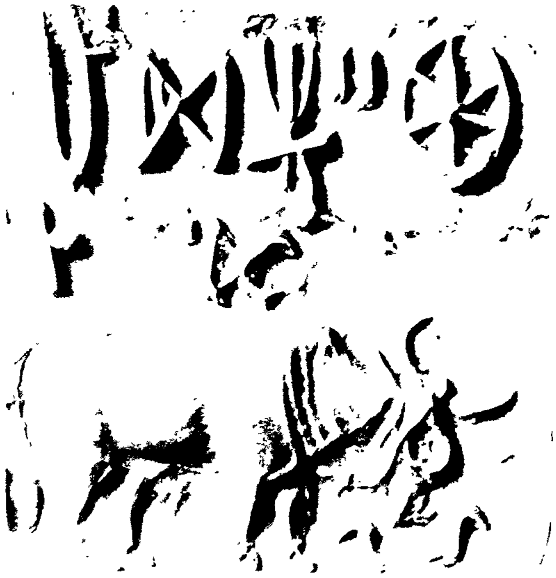
M-234 A



M-234 a



M-235 A



M-235 a



M-236 A



M-236 a


M-237 A


M-237 a


M-238 A


M-238 a


M-239 A


M-239 a



M-240 A



M-240 a



M-241 A



M-241 a



M-242 A



M-242 a



M-243 A



M-244 A



M-245 A



M-243 a



M-244 a



M-245 a



M-246 A



M-247 A



M-248 A



M-246 a



M-247 a



M-248 a


M-249 A


M-249 a


M-250 A


M-250 a


M-251 A


M-251 a

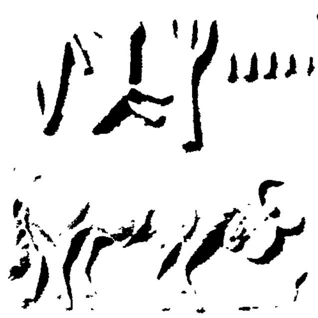

M-252 A


M-252 a


M-253 A


M-253 a


M-254 A


M-254 a


M-255 A


M-255 a


M-255 A bis



M-256 A



M-256 a



M-257 A



M-257 a



M-258 A



M-258 a



M-259 A



M-260 A



M-261 A



M-259 a



M-260 a



M-261 a



M-262 A



M-263 A



M-264 A



M-262 a



M-263 a



M-264 a



M-265 A



M-265 a



M-265 a bis



M-266 A



M-267 A



M-268 A



M-266 a



M-267 a



M-268 a


M-269 A


M-270 A


M-270 C


M-270 B


M-270 D


M-269 a


M-270 a


M-271 A


M-271 a


M-273 A


M-272 A


M-272 a


M-273 a



M-274 A



M-274 a



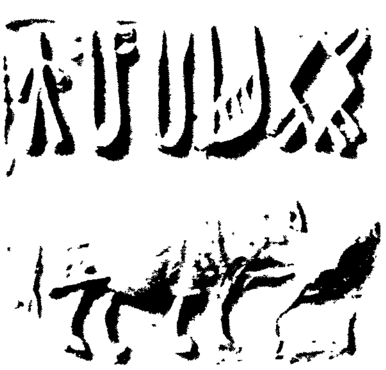
M-275 A



M-276 A



M-277 A



M-275 a



M-276 a



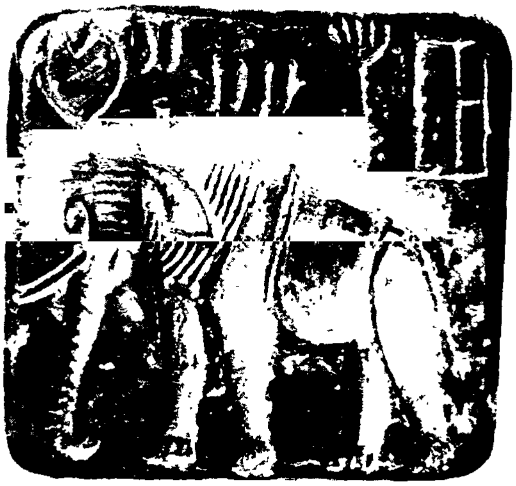
M-277 a ter



M-277 a



M-277 a bis



M-278 A



M-278 a



M-279 A



M-279 a



M-280 A



M-280 a



M-281 A



M-282 A



M-283 A



M-281 a



M-282 a



M-283 a



M-284 A



M-285 A



M-286 A



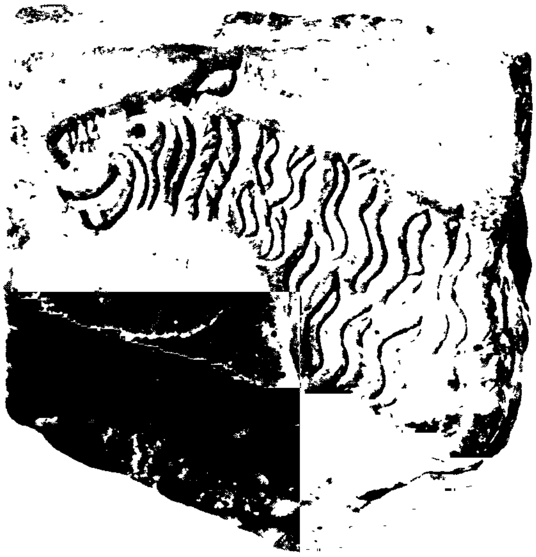
M-284 a



M-285 a



M-286 a



M-287 A



M-287 a



M-288 A



M-288 a



M-288 a bis



M-289 A



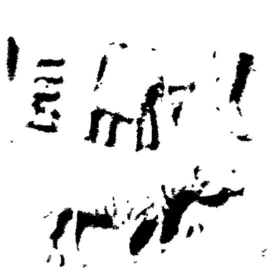
M-289 a



M-290 A



M-290 a



M-290 a bis



M-291 A



M-292 A



M-291 B



M-292 a



M-291 a



M-293 A



M-293 A bis



M-293 a



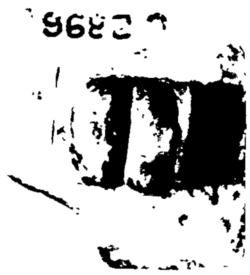
M-294 A



M-294 a



M-295 A



M-295 B



M-295 a



M-296 A



M-296 a



M-296 A bis



M-296 a bis



M-297 A



M-297 a



M-298 A



M-298 a



M-299 A



M-299 a



M-300 A



M-300 a



M-301 A



M-301 a



M-302 A



M-302 a



M-303 A



M-303 a



M-304 A



M-304 a



M-304 A bis



M-304 a bis



M-304 A ter



M-304 C



M-304 B



M-304 D



M-305 A



M-306 A



M-307 A



M-305 a



M-306 a



M-307 a



M-308 A



M-308 a



M-309 A



M-309 a



M-310 A



M-310 a



M-311 a



M-312 A



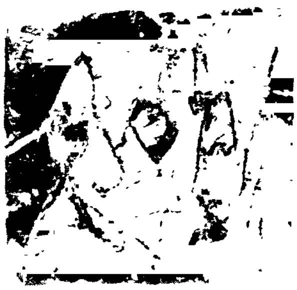
M-311 A



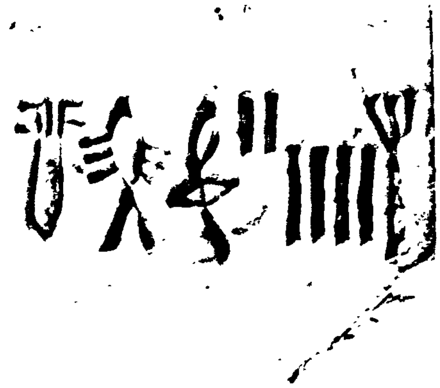
M-311 a bis



M-312 a


M-313 A


M-314 A


M-315 A

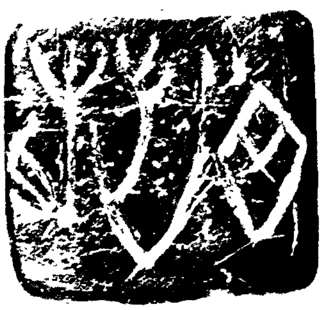

M-313 a


M-314 a


M-313 F


M-313 B


M-315 a


M-316 A


M-316 a


M-317 A


M-317 a


M-317 C


M-316 C


M-316 D


M-317 B

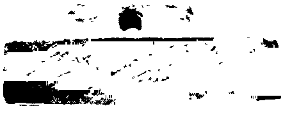

M-317 D



M-318 A



M-318 a



M-318 D



M-318 B



M-318 b



M-319 A



M-319 a



M-319 a bis



M-319 C



M-319 C bis



M-319 E



M-319 F



M-319 D



M-320 A



M-320 a



M-320 C



M-320 B



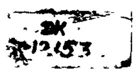
M-320 D



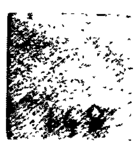
M-321 A



M-321 a



M-321 C



M-321 B



M-321 D



M-322 C



M-322 B



M-322 D



M-322 A



M-322 a



M-323 C



M-323 B



M-323 D



M-323 A



M-323 a



M-324 D



M-324 A



M-324 B



M-324 a



M-324 b


M-325 A


M-325 a


M-325 B

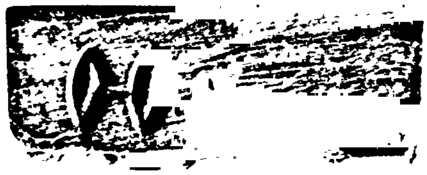

M-325 b

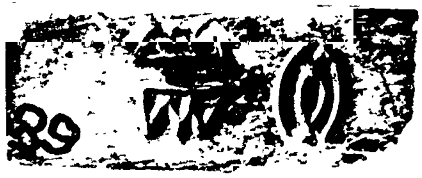

M-325 F


M-326 A


M-326 a


M-326 C


M-326 D


M-326 E


M-326 F


M-326 B


M-326 b bis

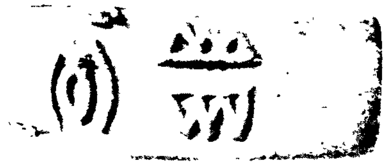

M-326 c bis


M-326 b


M-326 c

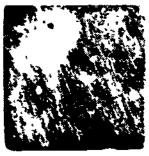

M-326 d


M-326 e


M-326 e bis


M-327 C


M-327 F

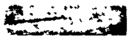

M-327 B


M-327 D


M-327 E


M-327 A


M-327 a


M-328 C


M-328 F


M-328 B


M-328 D


M-328 E


M-328 A


M-328 a


M-329 C


M-329 F


M-329 B


M-329 D


M-329 E


M-329 A


M-329 a


M-330 A


M-330 B


M-330 C

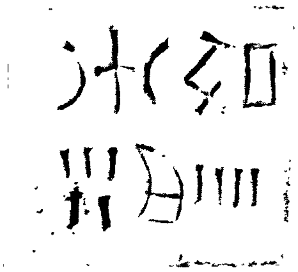

M-330 E

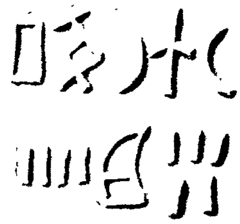

M-330 D


M-330 F

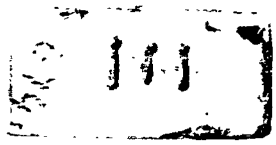

M-330 a

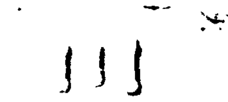

M-330 b

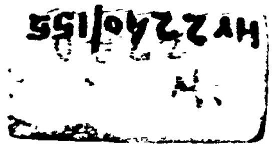

M-331 A

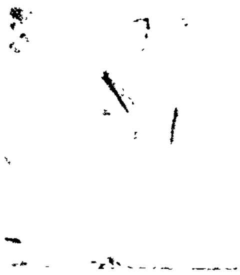

M-331 a


M-331 C

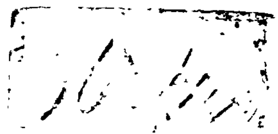

M-331 D

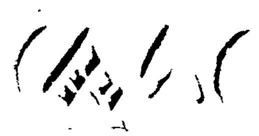

M-331 d


M-331 E

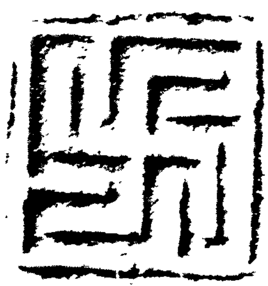

M-331 B


M-331 b


M-331 F


M-331 f


M-332 A


M-332 a


M-332 C

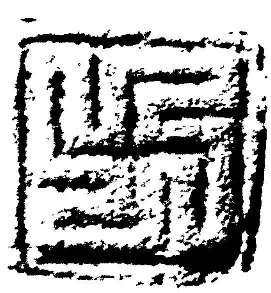

M-332 B

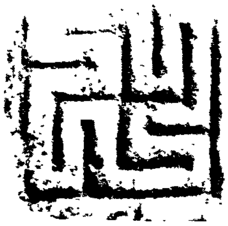

M-332 D


M-333 A


M-333 a


M-334 A


M-334 a


M-335 A


M-335 a

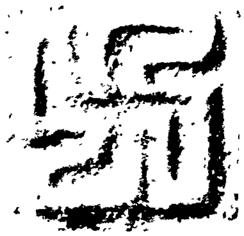

M-336 A

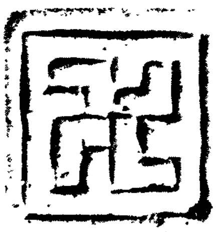

M-336 a

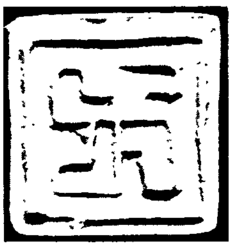

M-337 A


M-337 a


M-338 A

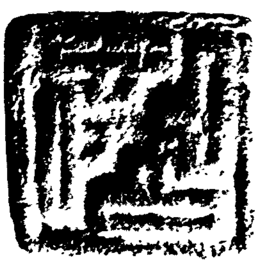

M-338 a


M-339 A

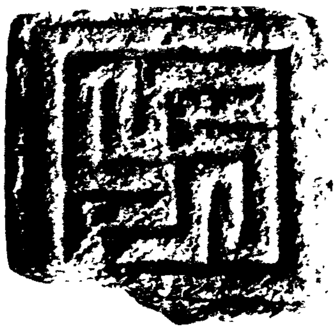

M-339 a

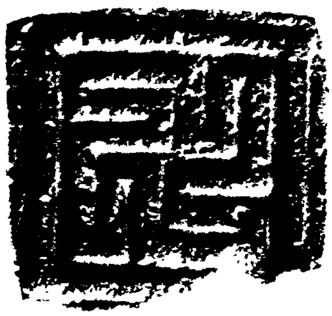

M-340 A


M-340 a


M-341 A

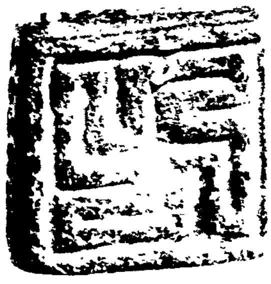

M-341 a


M-342 A


M-342 a


M-343 A


M-343 a


M-344 A


M-344 a


M-345 A

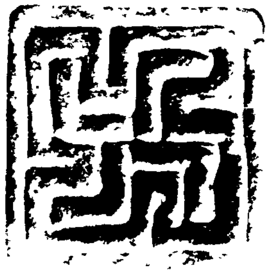

M-345 a

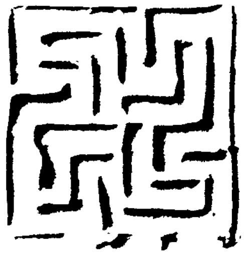

M-346 A

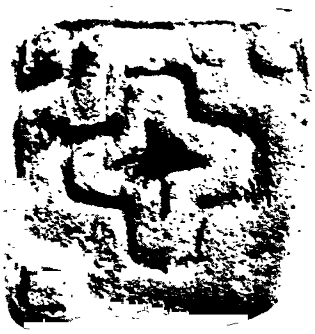

M-346 a


M-347 A

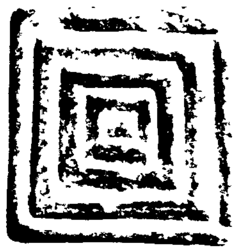

M-347 a

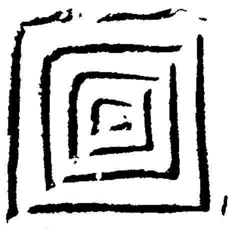

M-348 A

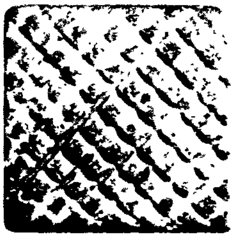

M-348 a

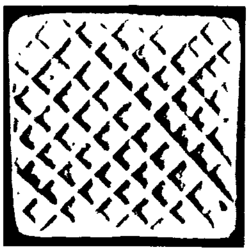

M-349 A


M-349 a


M-350 A


M-350 a

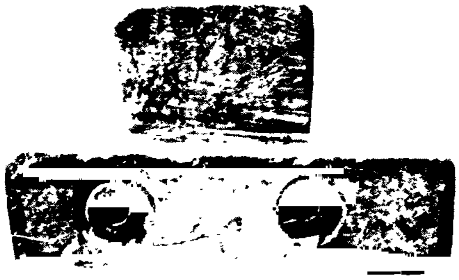

M-351 A


M-351 a


M-351 C


M-351 B

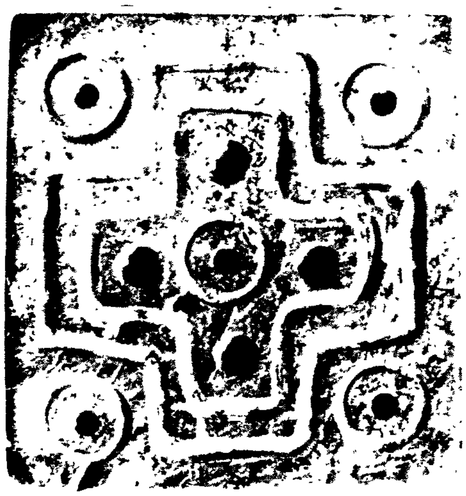

M-351 D



M-352 C



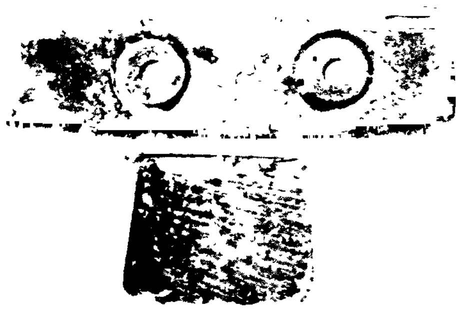
M-352 F



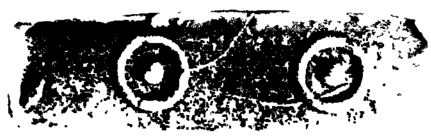
M-352 A



M-352 D



M-352 E



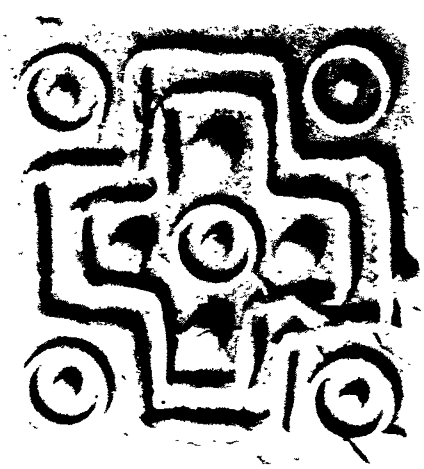
M-352 c



M-352 e



M-352 B



M-352 a



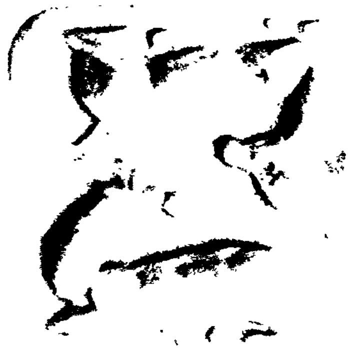
M-352 d



M-352 f



M-353 A



M-353 a



M-353 B



M-353 C



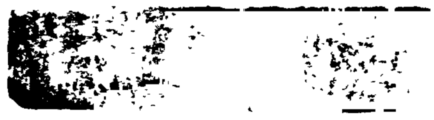
M-354 A



M-354 C



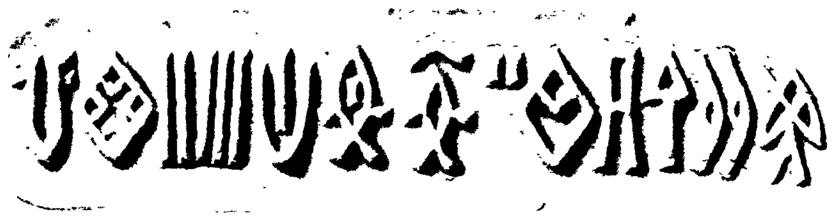
M-354 a



M-354 B



M-355 A



M-355 a



M-356 A



M-356 A bis



M-356 a



M-357 A



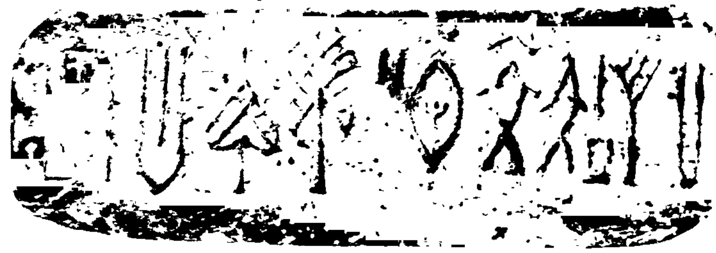
M-357 a



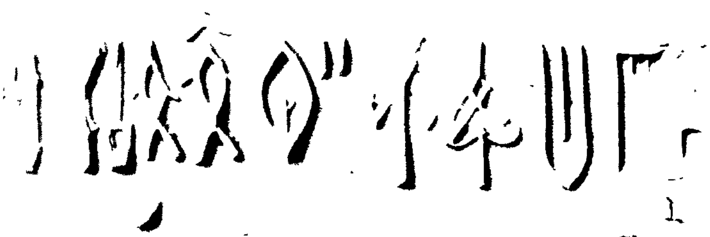
M-358 A



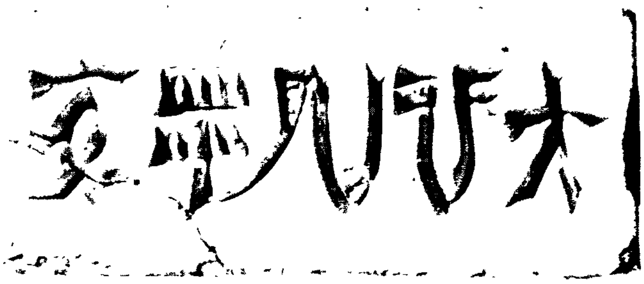
M-358 a



M-359 A



M-359 a



M-360 A



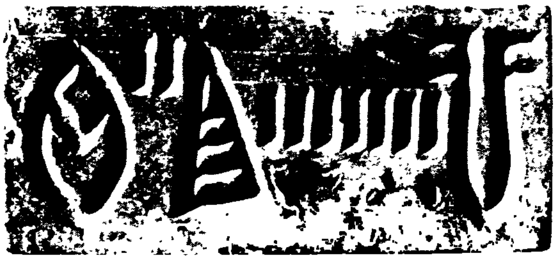
M-361 A



M-360 a



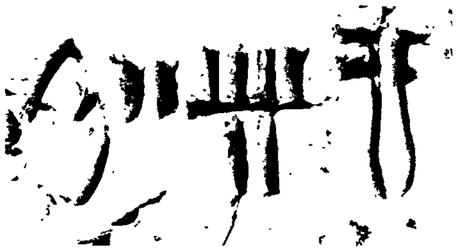
M-361 a

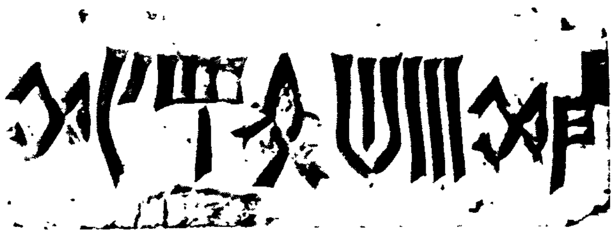

M-362 A


M-363 A

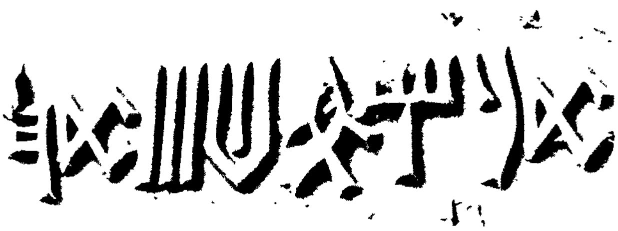

M-362 a


M-363 a


M-364 A


M-365 A


M-364 a


M-365 a


M-366 A


M-366 C


M-366 E


M-366 a



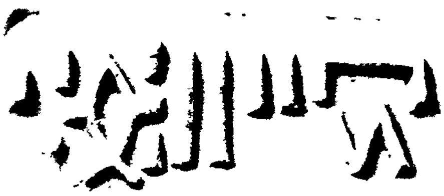
M-367 A



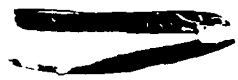
M-367 C



M-367 B



M-367 a



M-367 E



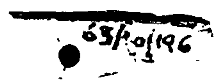
M-368 A



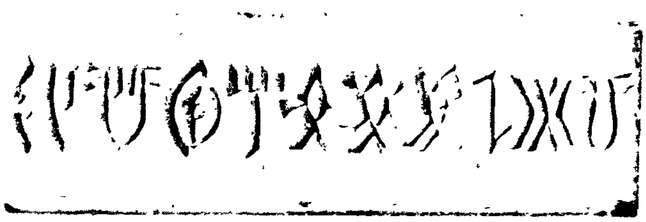
M-368 C



M-368 a



M-368 E



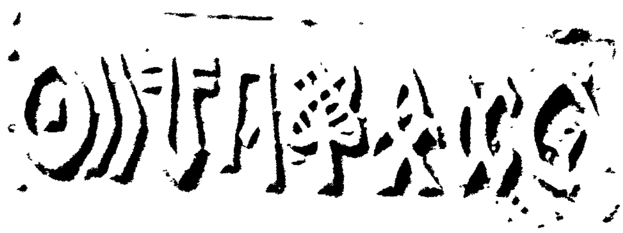
M-369 A



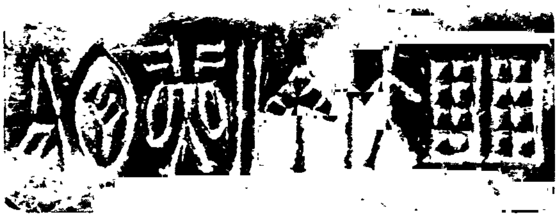
M-370 A



M-369 a



M-370 a



M-371 A



M-372 A



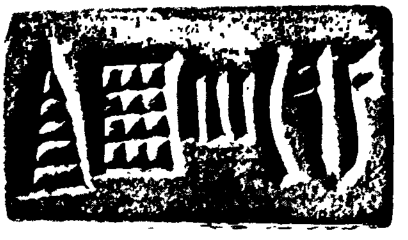
M-371 a



M-372 a



M-373 A



M-374 A



M-373 a



M-374 a



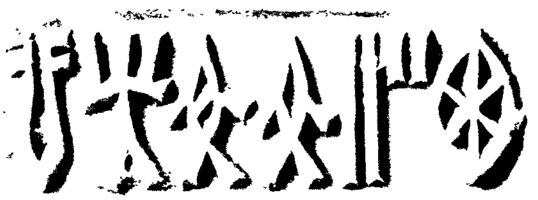
M-373 C



M-374 C



M-375 A



M-375 a



M-376 A



M-377 A



M-376 a



M-377 a



M-378 A



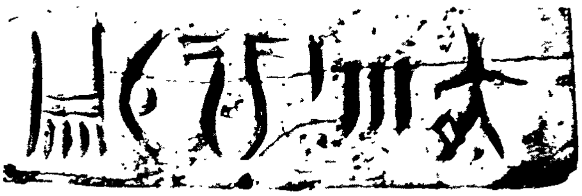
M-379 A



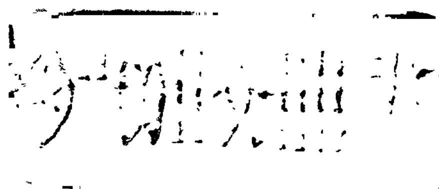
M-378 a



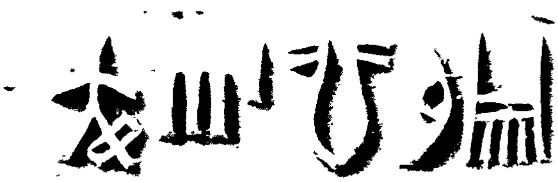
M-379 a



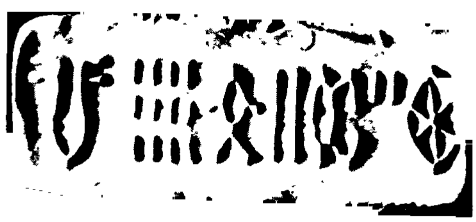
M-380 A



M-381 A



M-380 a



M-381 a



M-382 A



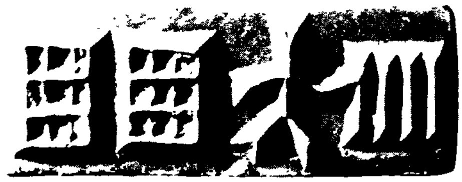
M-383 A



M-384 A



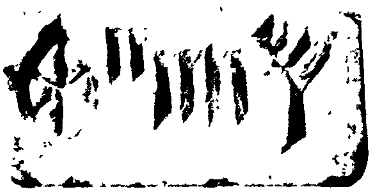
M-382 a



M-383 a



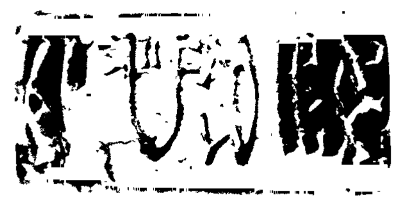
M-384 a



M-385 A



M-386 A



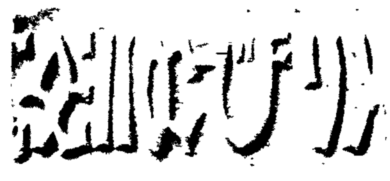
M-387 A



M-385 a



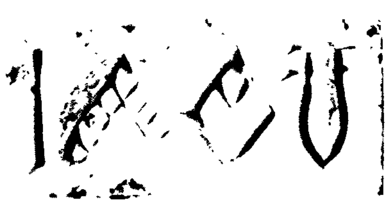
M-386 a



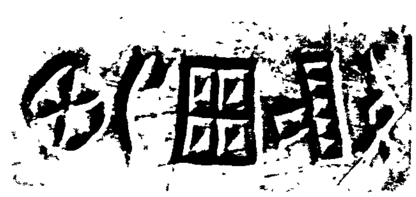
M-387 a



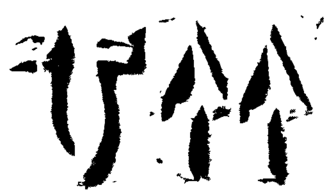
M-388 A



M-389 A



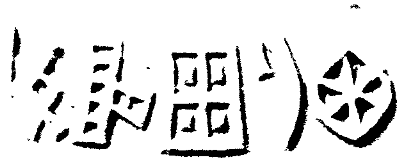
M-390 A



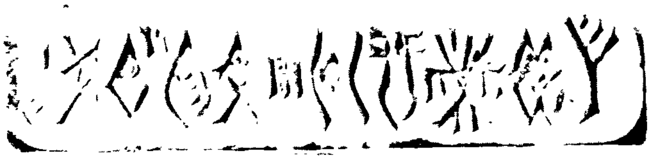
M-388 a



M-389 a



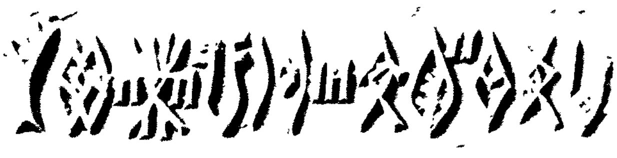
M-390 a



M-391 A



M-392 A



M-391 a



M-392 a



M-393 A



M-394 A



M-393 a



M-394 a



M-396 A



M-395 A



M-396 a



M-395 a

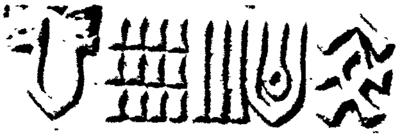

M-397 A


M-398 A


M-399 A


M-397 a

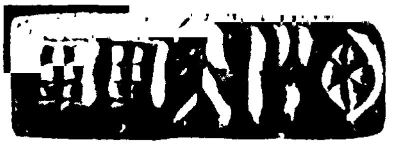

M-398 a


M-399 a

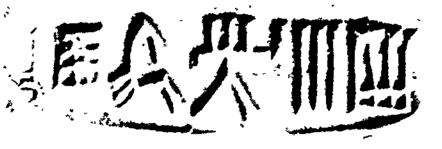

M-400 A


M-401 A


M-402 A


M-400 a


M-401 a


M-402 a

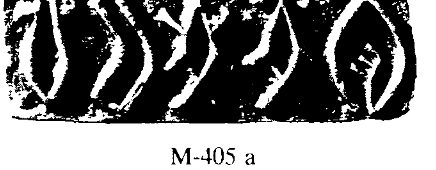

M-403 A

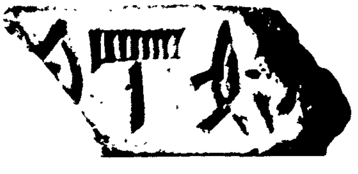

M-404 A


M-405 A

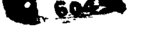

M-403 a


M-404 a


M-405 a


M-406 A


M-406 C


M-406 E

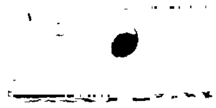

M-406 a



M-407 A



M-407 a



M-407 C



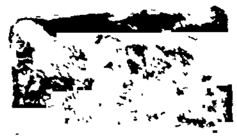
M-408 A



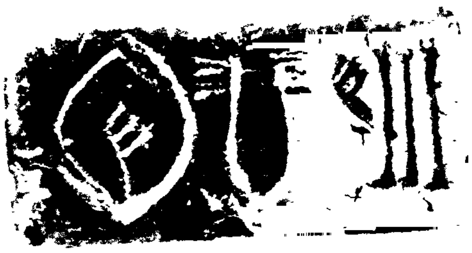
M-408 a



M-408 C



M-408 B



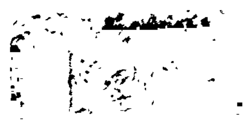
M-409 A



M-409 a



M-409 C



M-409 B



M-410 A



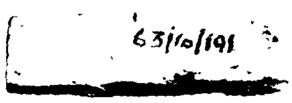
M-410 C



M-410 B



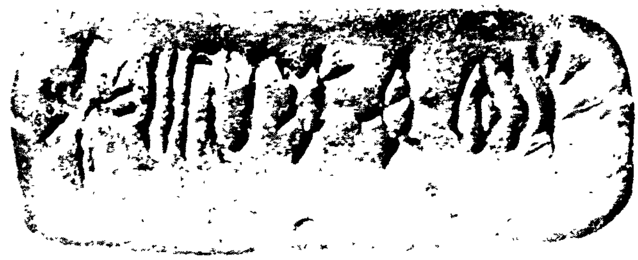
M-410 a



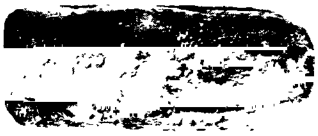
M-410 E



M-411 C



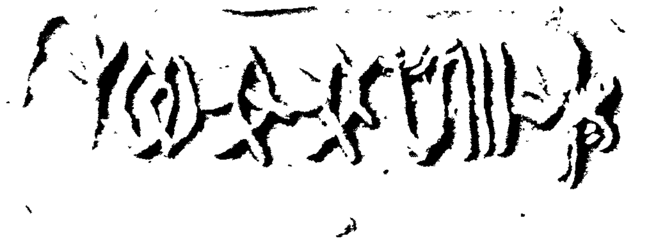
M-411 A



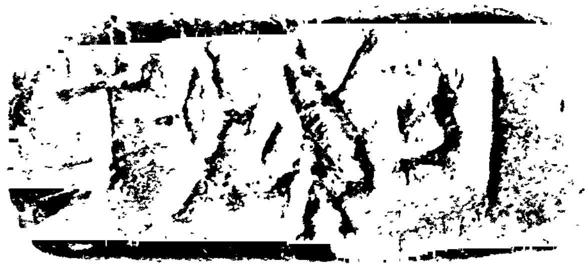
M-411 B



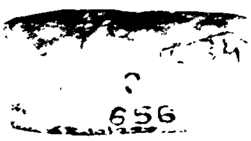
M-411 D



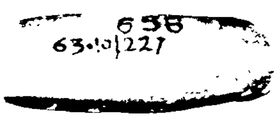
M-411 a



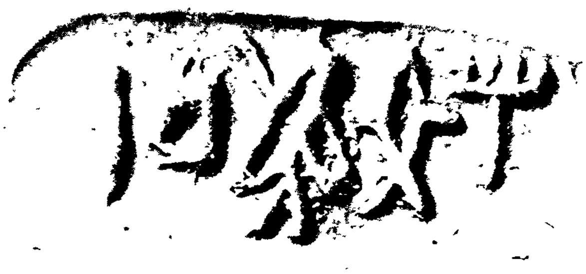
M-412 A



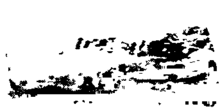
M-412 B



M-412 E



M-412 a



M-413 C



M-413 A



M-413 F



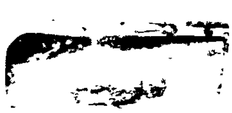
M-413 B



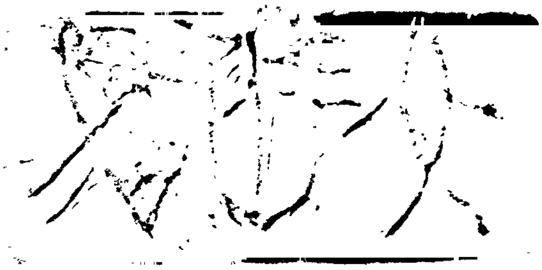
M-413 D



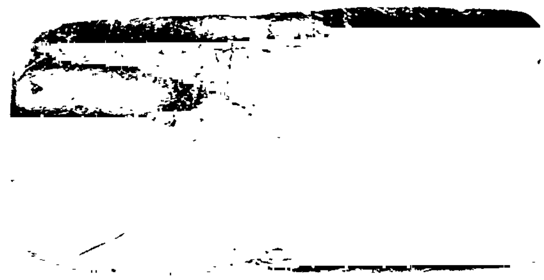
M-413 a



M-413 E



M-414 A



M-414 B



M-414 a



M-414 F



M-414 C

M-414 E



M-414 D



M-415 a



M-415 C



M-415 A



M-415 a bis



M-415 B



M-416 B



M-416 A



M-416 A bis



M-416 a



M-416 a bis



M-417 A



M-417 C



M-417 a


M-418 A (1)


M-418 A (2)


M-418 A (3)


M-418 A (4)


M-418 A (5)


M-418 a


M-419 A (1)


M-419 A (2)


M-419 a


M-419 D


M-419 F


M-419 d


M-419 f


M-418 E



M-420 A (1) (50 %)



M-420 A (2)



M-421 A (1) (50 %)



M-421 A (2)



M-422 A (1) (50 %)



M-422 A (2)



M-423 A (1) (50 %)



M-423 A (2)



M-424 A (1) (50 %)

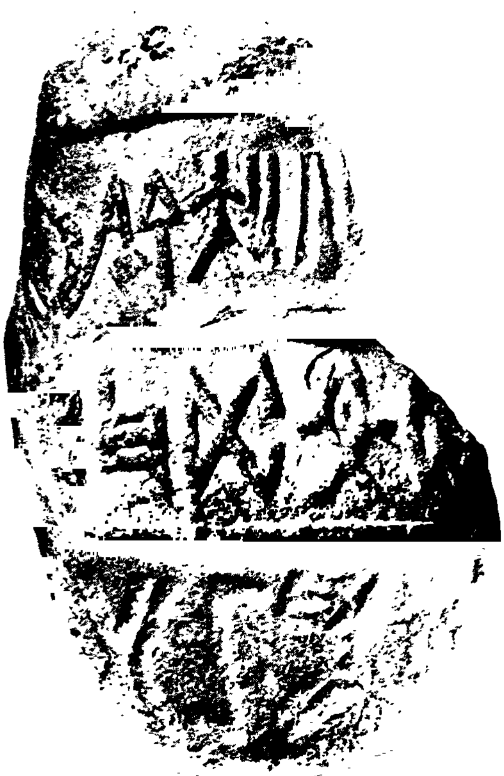


M-424 A (2)

1

2

3



M-425 A 1-3



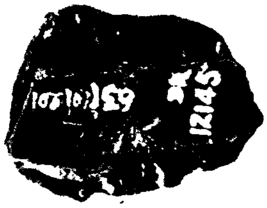
M-425 B

1

2



M-426 A 1-2



M-426 B



M-426 B bis



M-426 b (290 %)



M-426 C







M-426 F

M-426 E

M-426 D



M-426 E bis



M-427 C



M-427 A



M-427 B



M-428 A



M-428 B



M-429 A



M-429 B



M-430 A



M-430 B



M-430 C



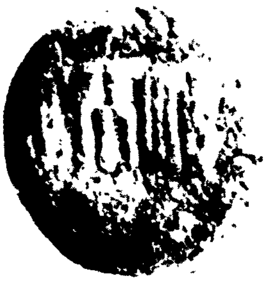
M-431 A



M-431 B



M-431 A bis



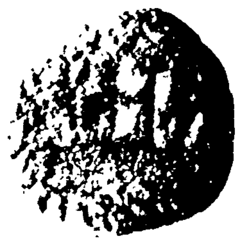
M-432 A



M-432 B



M-432 A bis



M-433 A



M-433 A bis



M-433 B



M-434 A



M-434 B

[For M-435 see p. 364]



M-436 A



M-436 B



M-437 A



M-437 B



M-437 E



M-438 A



M-438 a



M-438 C



M-438 F



M-438 B



M-438 D



M-438 E



M-439 A



M-439 a



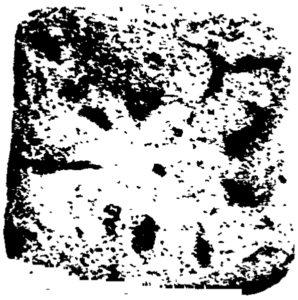
M-440 A



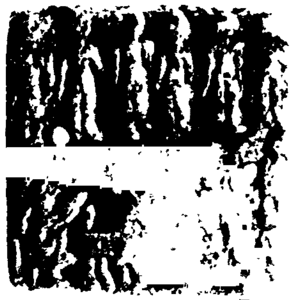
M-440 C



M-440 B



M-441 A



M-442 A



M-442 A bis



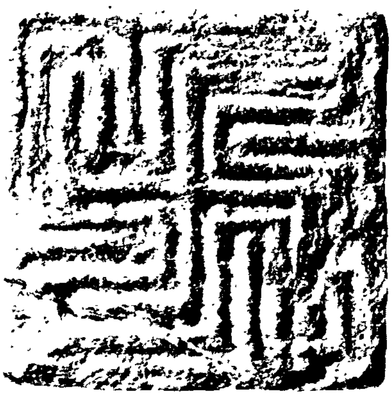
M-441 B



M-442 B



M-442 B bis



M-443 A



M-443 C



M-443 F



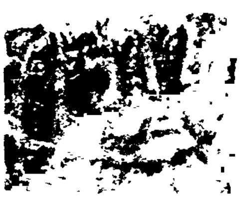
M-443 D



M-443 E



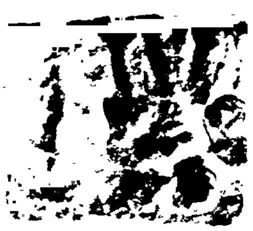
M-443 B



M-444 A



M-444 B



M-444 A bis


M-445 A


M-446 A


M-447 A

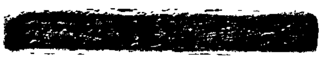

M-445 B


M-446 B


M-447 B


M-448 A

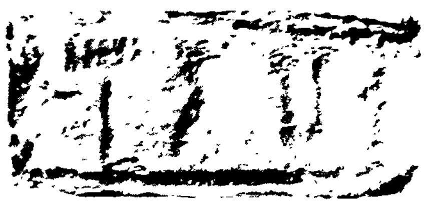

M-449 A

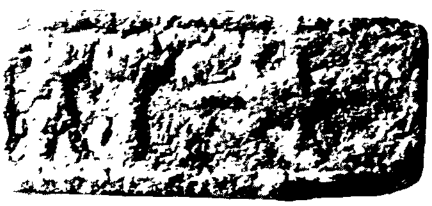

M-448 C


M-449 B


M-448 B


M-450 A


M-450 a


M-450 B


M-450 b


M-451 B


M-451 C


M-451 A



M-452 A



M-452 B 1-2



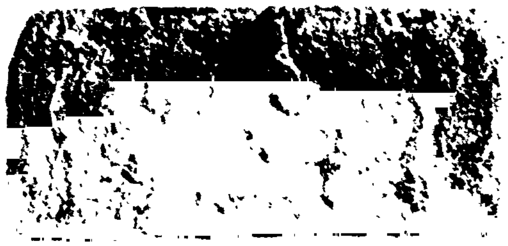
M-453 A



M-453 B



M-454 A



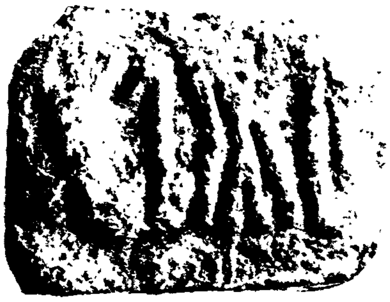
M-454 B



M-454 A bis



M-454 B bis



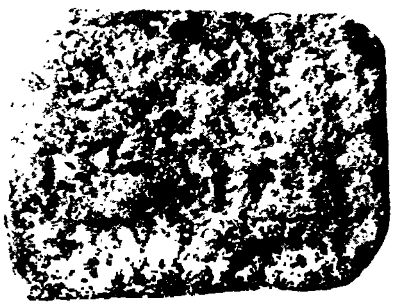
M-455 A



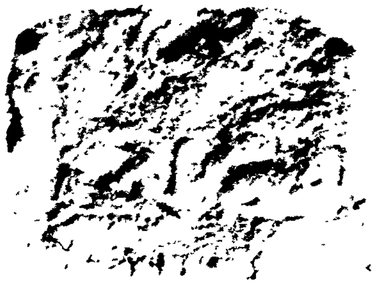
M-455 B



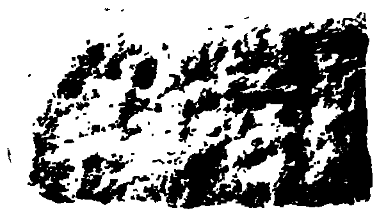
M-456 A



M-455 B bis



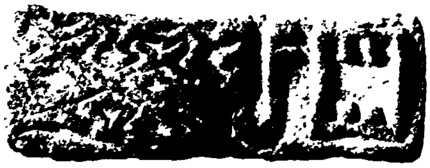
M-455 b



M-456 B



M-457 B



M-457 A



M-457 E



M-458 B



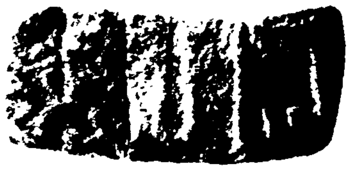
M-458 A



M-459 A



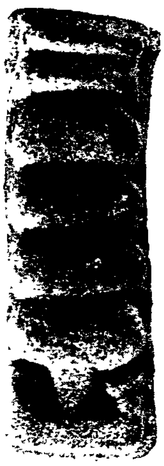
M-459 B



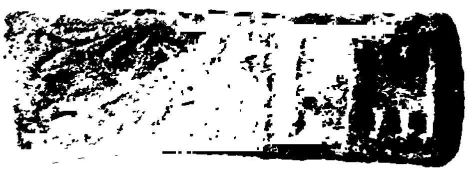
M-460 A



M-460 B



M-461 B



M-461 A



M-462 B



M-462 A



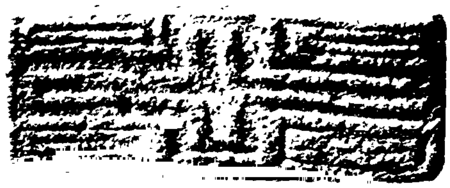
M-463 A



M-463 A bis



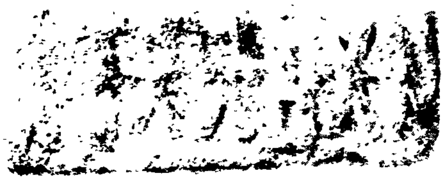
M-463 B

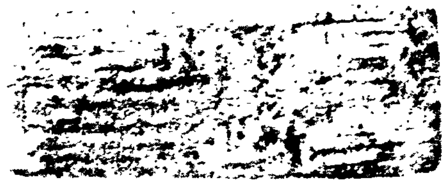


M-464 A

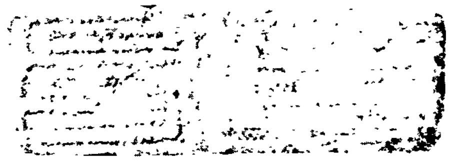


M-464 B


M-465 A


M-465 B

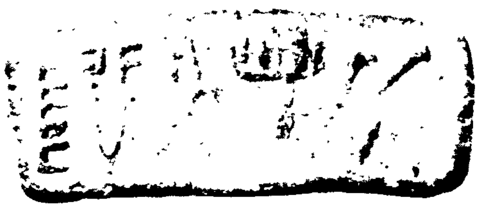

M-466 A


M-466 B


M-467 A


M-467 B


M-467 A bis


M-468 A

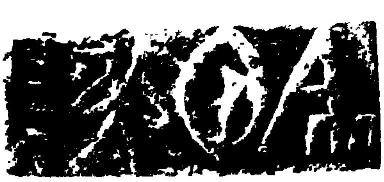

M-468 B


M-468 E


M-468 D


M-469 A


M-469 B


M-470 A


M-470 B


M-471 A


M-472 A


M-473 A


M-471 B


M-473 B


M-474 A


M-474 B

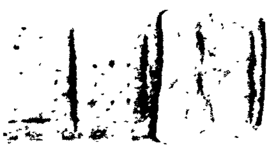

M-475 A


M-474 A bis

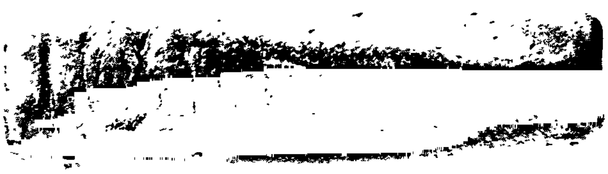

M-475 a


M-475 B

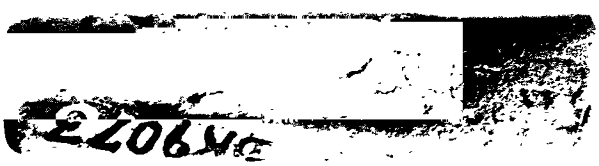

M-476 C

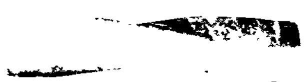

M-476 A


M-476 B


M-477 A (1)


M-477 B

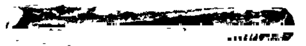

M-477 A (2)

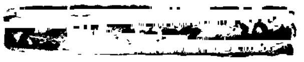

M-477 C


M-478 A


M-478 B


M-478 F

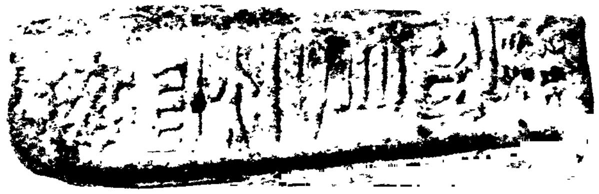

M-478 C


M-478 E

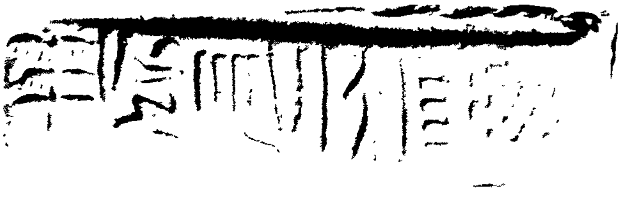

M-478 D


M-479 A

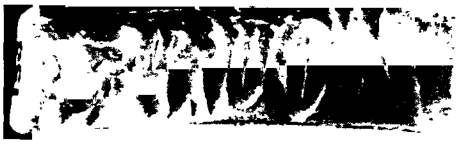

M-479 B

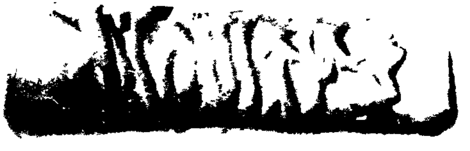

M-480 A


M-480 B


M-480 a


M-480 b


M-481 A


M-481 a


M-481 B

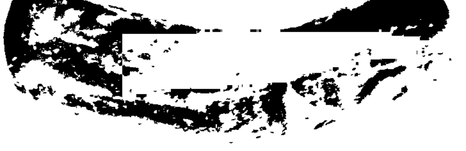

M-481 b

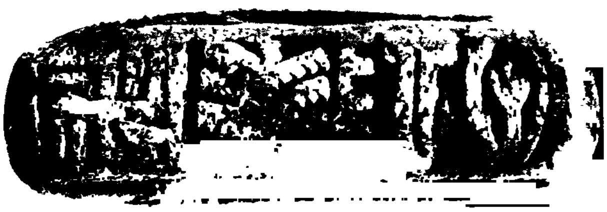

M-481 B bis


M-481 C

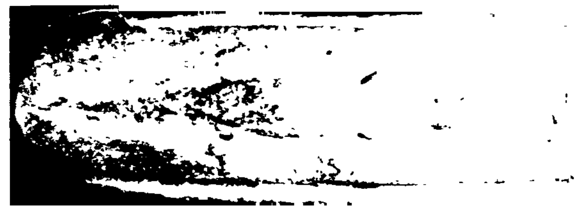

M-481 F


M-481 D

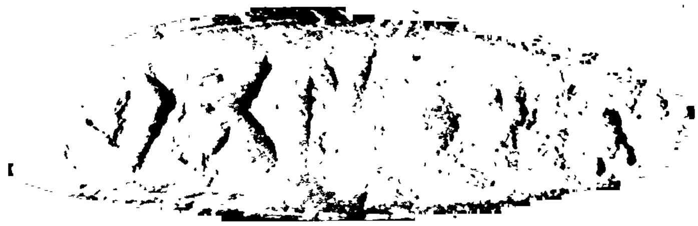

M-481 E



M-482 A



M-482 B



M-483 A



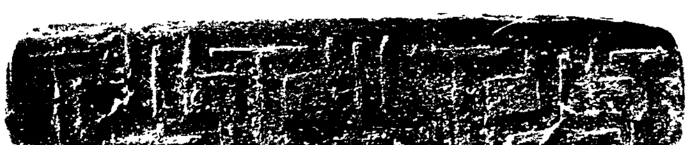
M-483 A bis



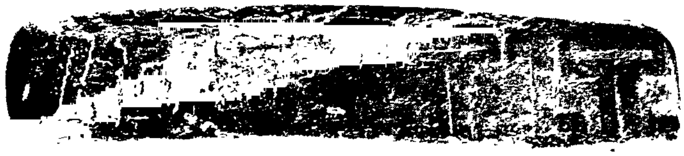
M-483 B



M-483 B bis



M-483 C



M-483 E



M-484 A



M-484 A bis



M-484 B



M-485 A



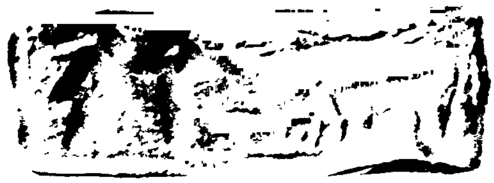
M-486 A



M-486 a



M-486 B



M-486 b



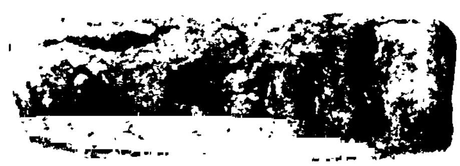
M-486 C



M-486 c



M-486 C bis



M-487 A



M-487 B



M-487 C



M-488 A



M-488 B



M-488 C



M-488 a



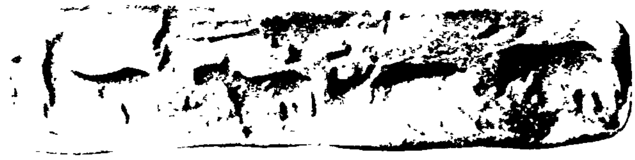
M-488 b



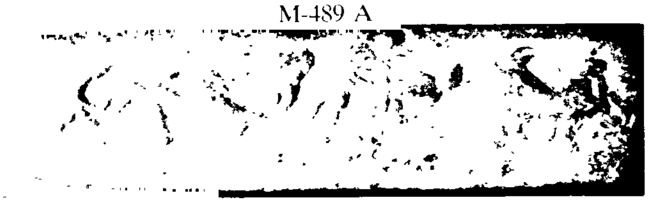
M-488 c



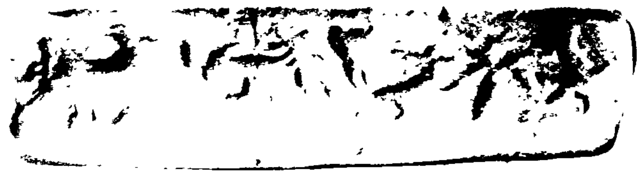
M-489 A



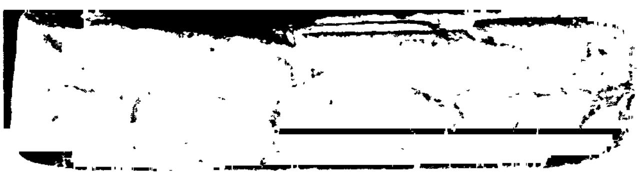
M-489 a



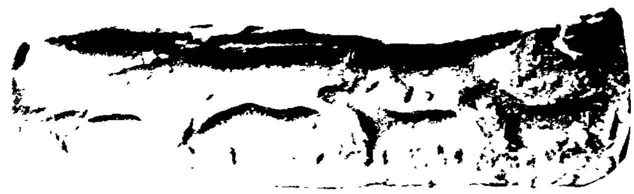
M-489 B



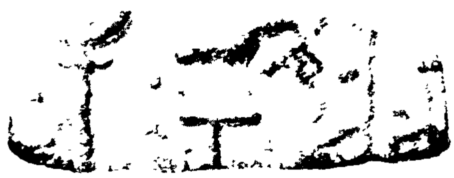
M-489 b



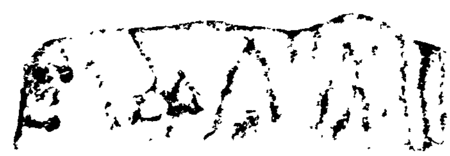
M-489 C



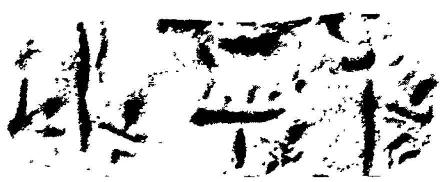
M-489 c



M-490 A



M-490 B



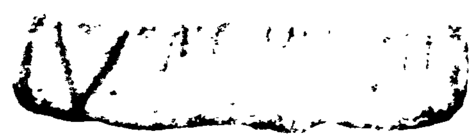
M-490 a



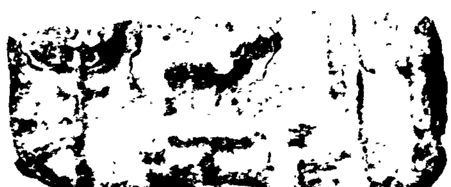
M-490 B + C



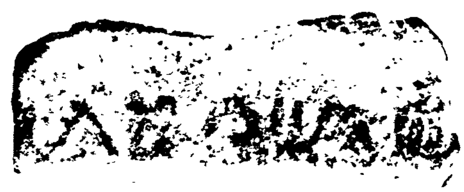
M-491 A



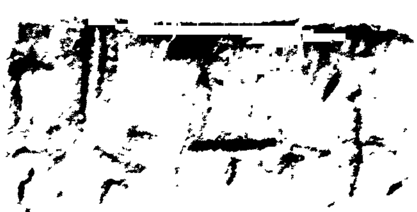
M-490 C



M-491 A bis



M-491 B



M-491 a



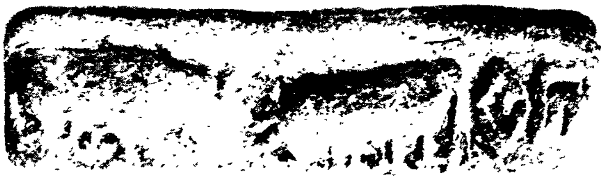
M-491 B + C



M-492 A



M-493 A



M-492 B



M-493 A bis



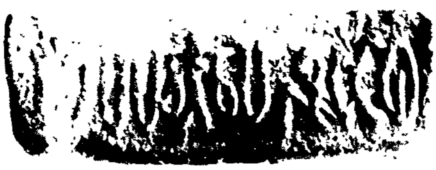
M-492 C



M-493 B



M-493 C



M-494 A



M-494 B-G



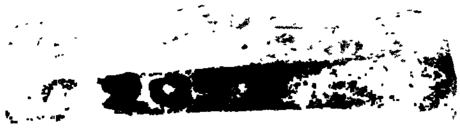
M-494 A bis



M-494 G-B



M-494 E-G



M-494 B-C



M-494 E

C

B

A



G

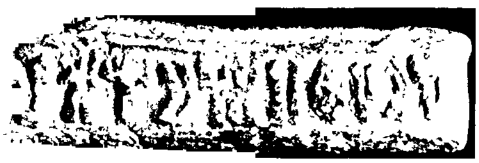
E

M-494 F

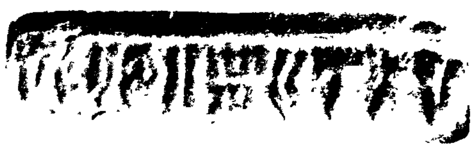

M-495 A


M-495 A bis

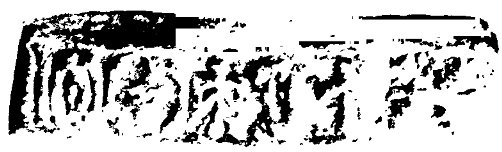

M-495 a


M-495 B

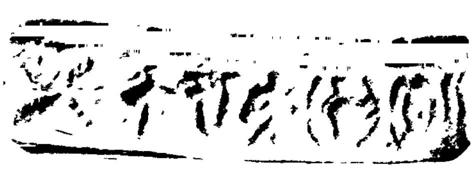

M-495 B bis


M-495 b


M-495 G-B

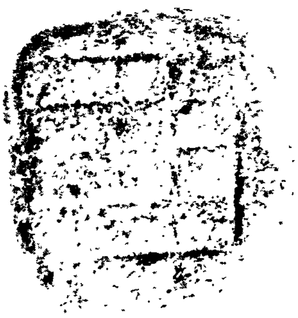

M-495 G


M-495 G-B bis


M-495 g



M-496 C



M-496 B



M-496 F



M-496 A



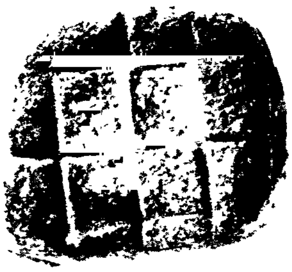
M-496 D



M-496 E



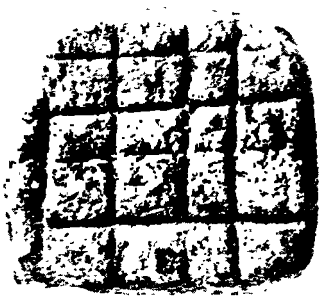
M-497 C



M-497 B



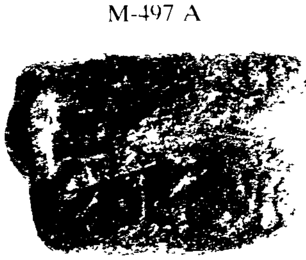
M-497 F-G



M-497 A



M-497 D



M-497 E



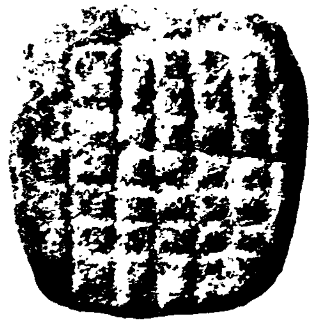
M-498 C



M-498 B



M-498 F



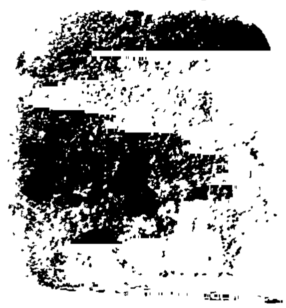
M-498 A



M-498 D′



M-498 E



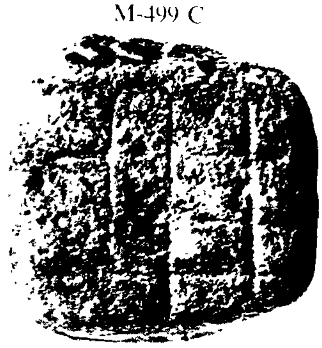
M-499 C



M-499 B



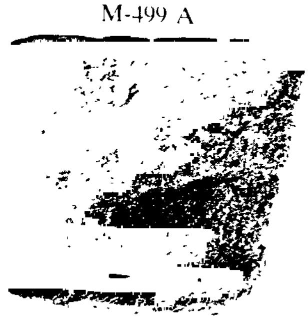
M-499 F



M-499 A



M-499 D



M-499 E



M-500 a



M-500 A



M-500 a bis



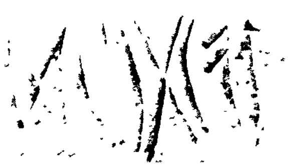
M-500 b



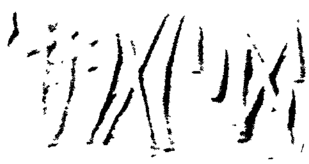
M-500 B



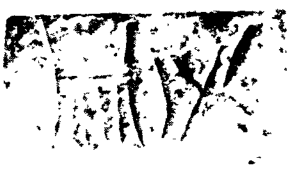
M-500 b bis



M-501 A



M-501 a



M-501 B



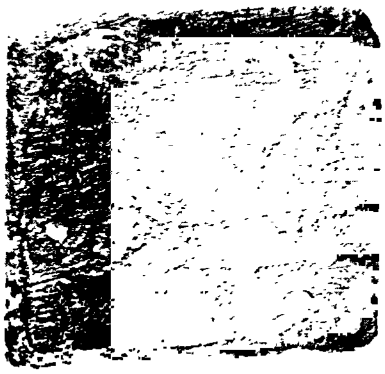
M-501 b



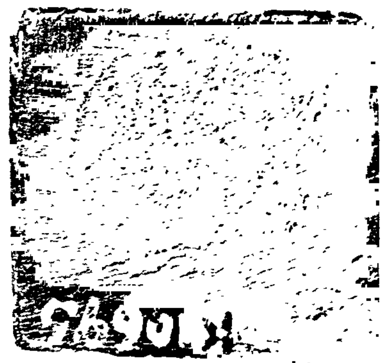
M-502 A



M-502 B



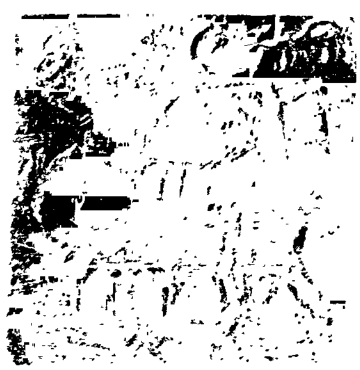
M-503 A



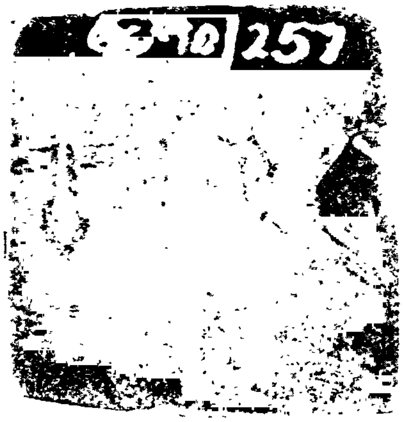
M-503 B



M-504 A



M-504 B



M-505 A



M-505 B



M-506 A



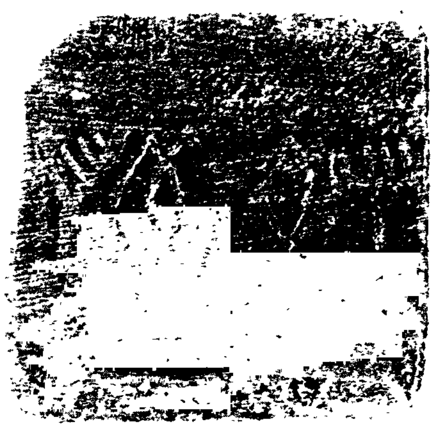
M-506 B



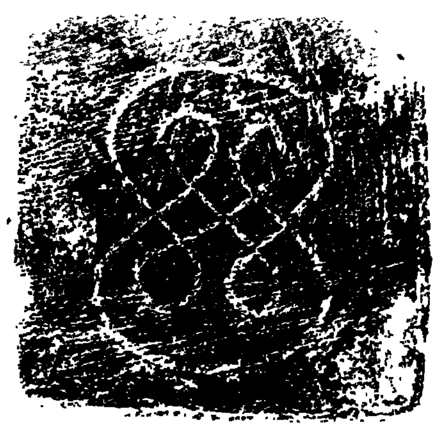
M-506 A bis



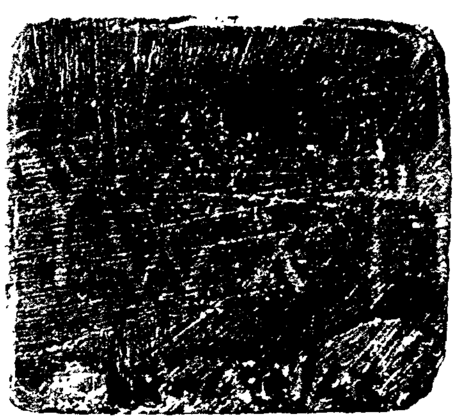
M-506 B bis



M-507 A



M-507 B



M-508 A



M-508 B


M-509 A


M-509 B

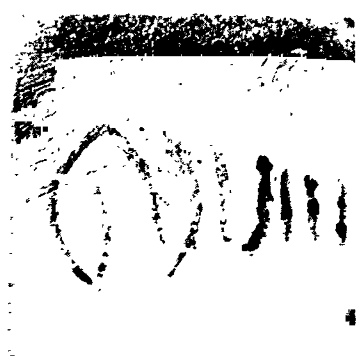

M-510 A

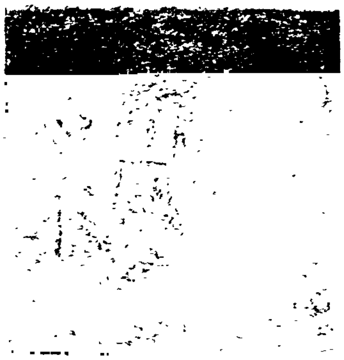

M-510 B


M-511 A


M-511 B


M-512 A


M-512 B



M-513 A



M-513 B



M-514 A



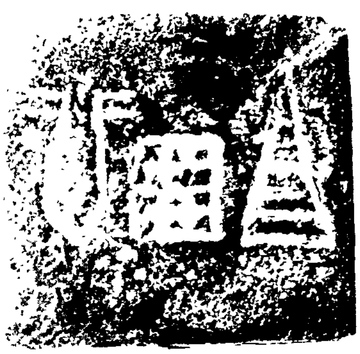
M-514 B



M-515 A



M-515 B



M-516 A



M-516 B



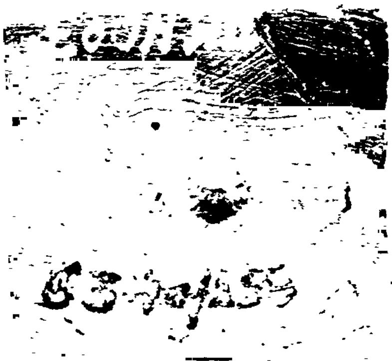
M-516 B bis



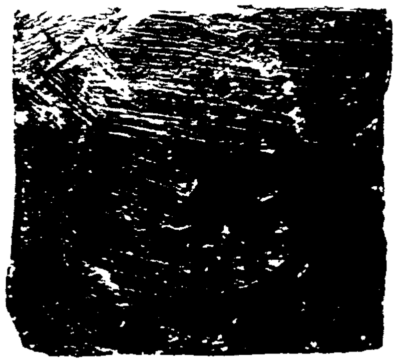
M-517 A



M-517 B



M-518 A



M-518 B



M-519 A



M-519 B



M-520 A



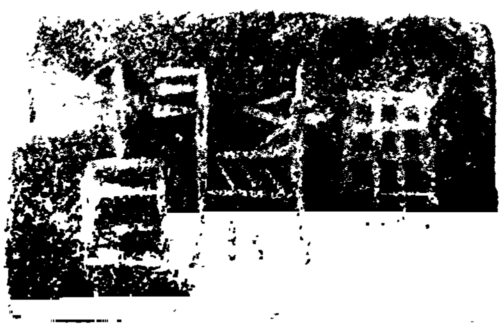
M-520 B



M-521 A



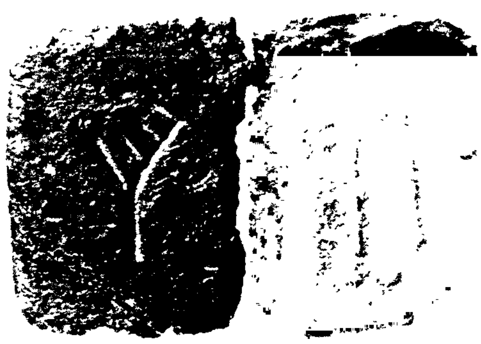
M-521 B



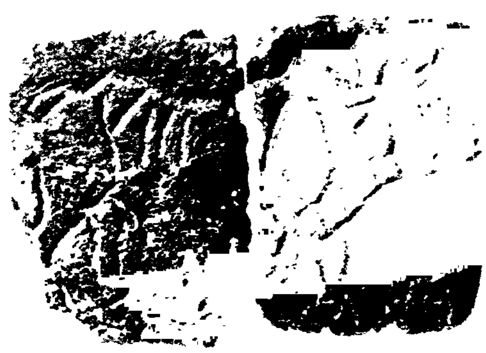
M-522 A



M-522 B



M-523 A



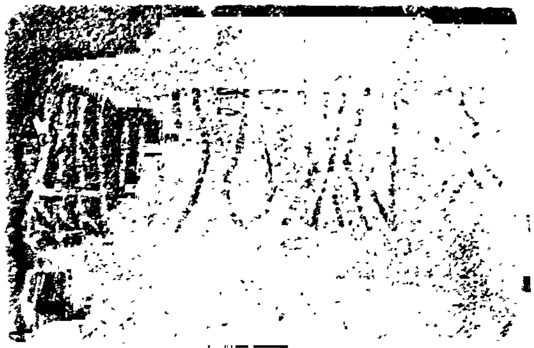
M-523 B



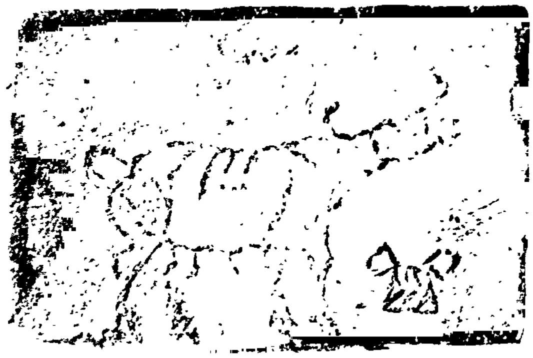
M-524 A



M-524 B



M-525 A



M-525 B



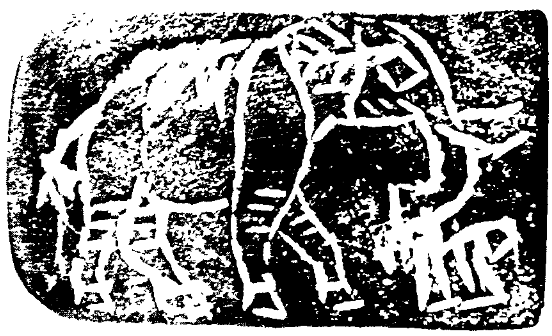
M-526 A



M-526 B



M-527 A



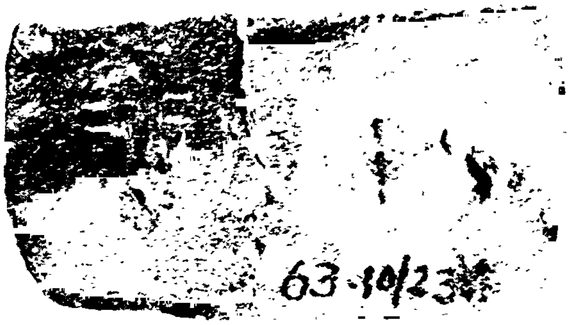
M-527 B



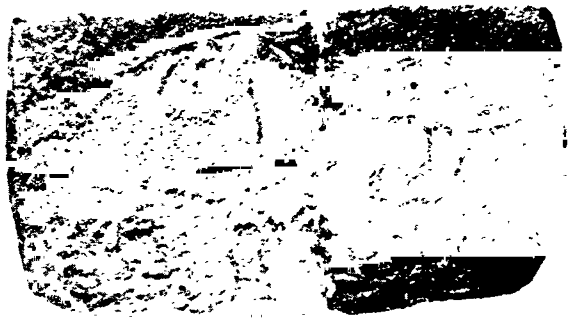
M-528 A



M-528 B



M-529 A



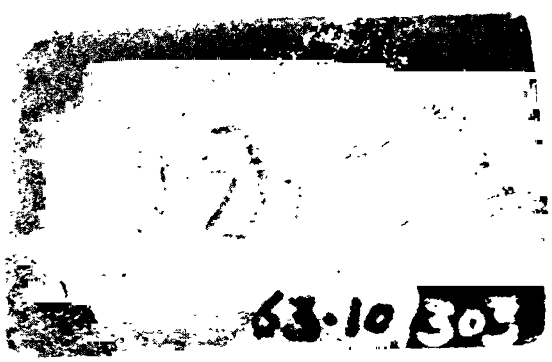
M-529 B



M-530 A



M-530 B



M-531 A



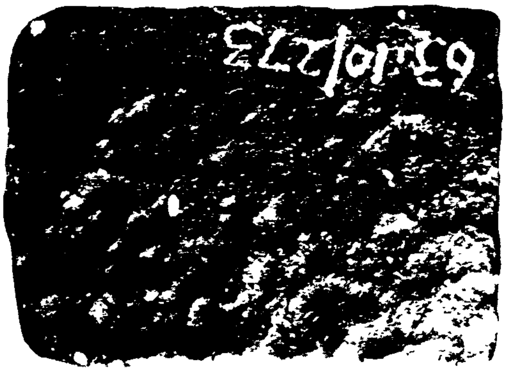
M-531 B



M-532 A



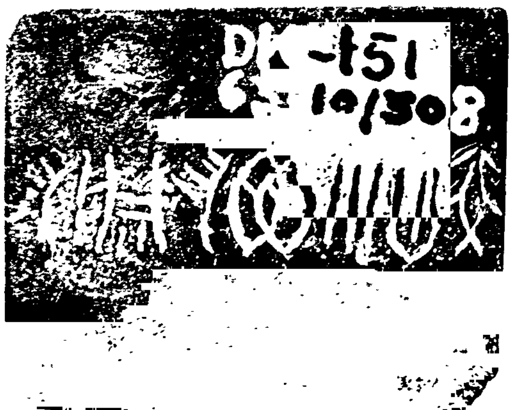
M-532 B



M-533 A



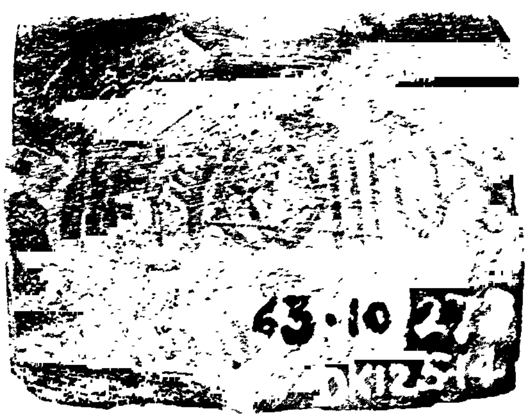
M-533 B



M-534 A



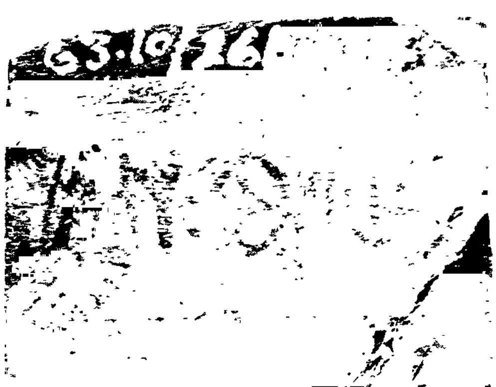
M-534 B



M-535 A



M-535 B



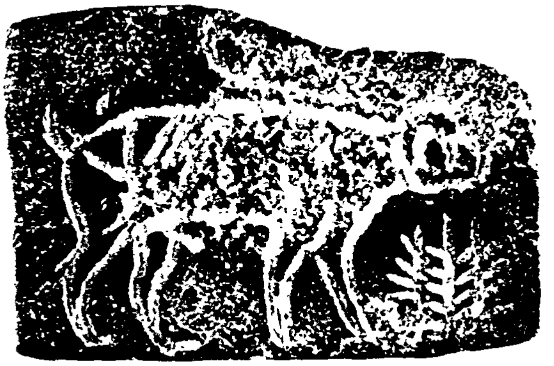
M-536 A



M-536 B



M-537 A



M-537 B



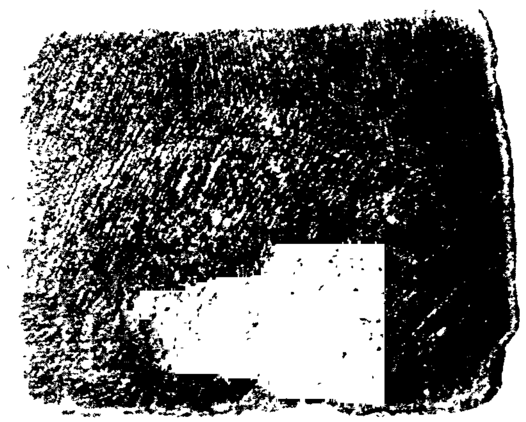
M-538 A



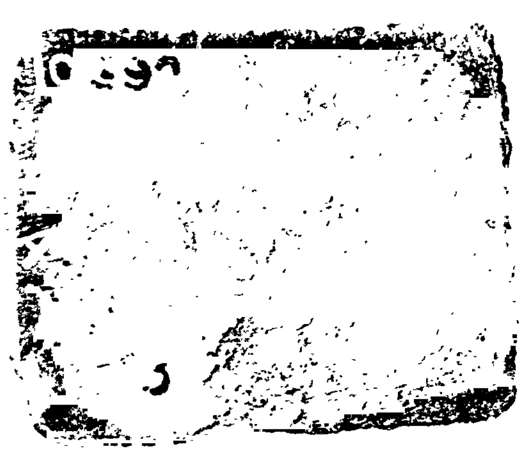
M-538 B



M-539 A



M-539 B

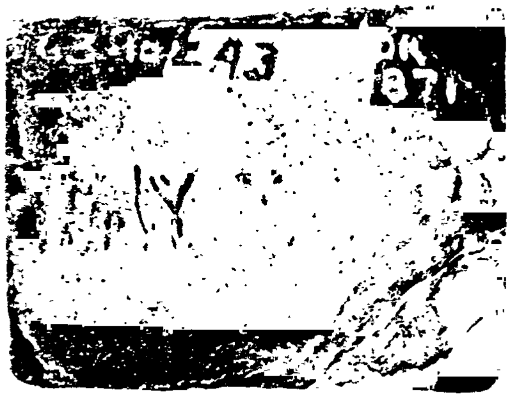


M-539 A bis

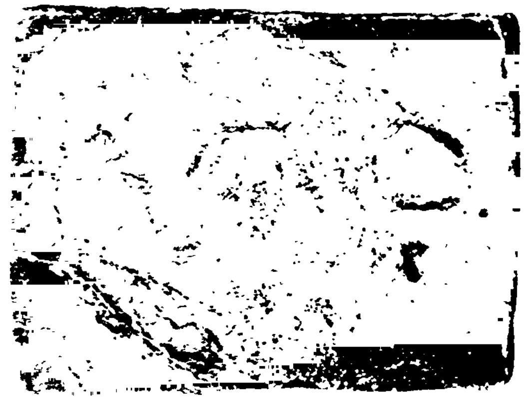


M-539 B bis

[For M-540 see p 364]



M-541 A



M-541 B



M-542 A



M-542 B



M-543 A



M-543 B



M-544 A



M-544 B

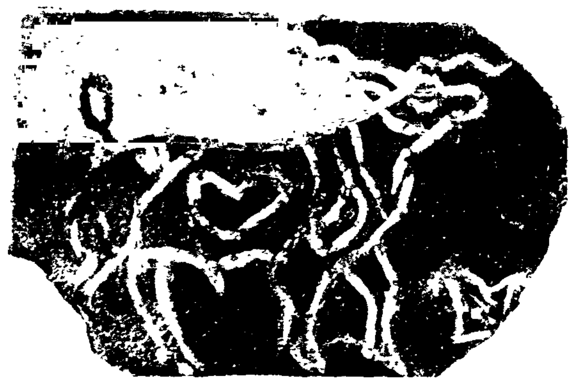

M-545 A


M-545 B

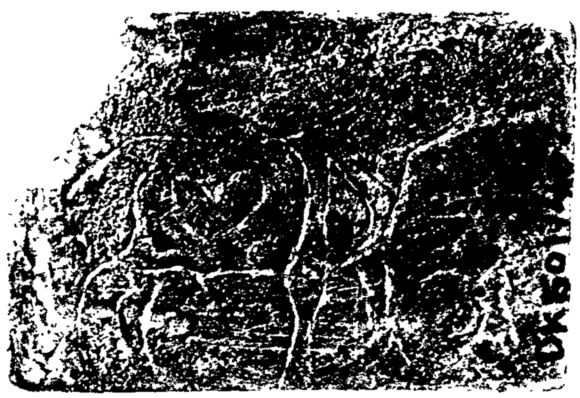

M-546 A


M-546 B


M-547 A

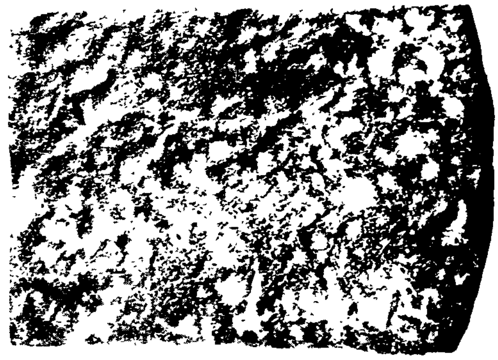

M-547 B


M-548 A

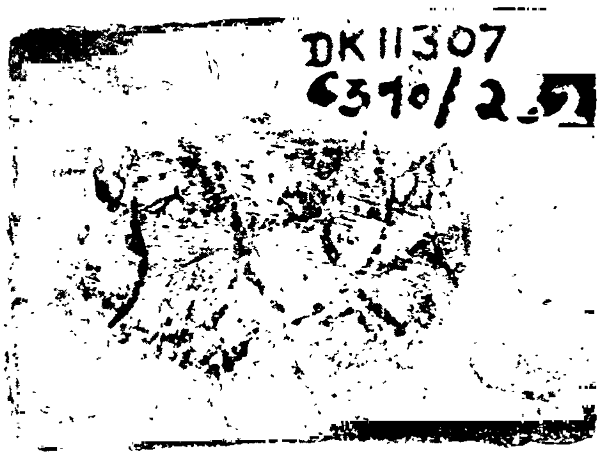

M-548 B



M-549 A



M-549 B



M-550 A



M-550 B



M-551 A



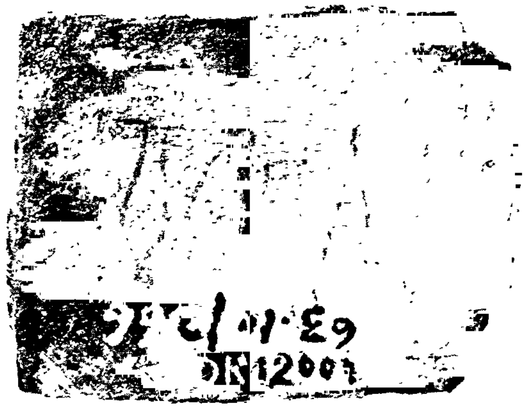
M-551 B



M-552 A



M-552 B



M-553 A



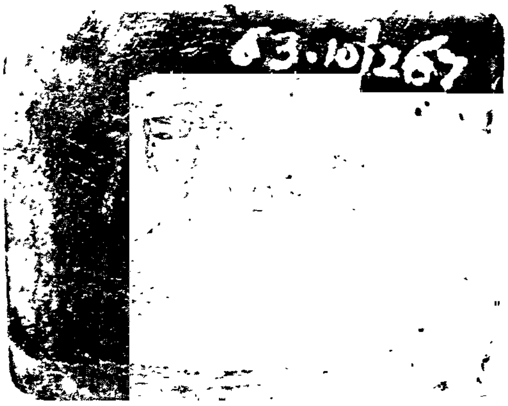
M-553 B



M-554 A



M-554 B



M-555 A



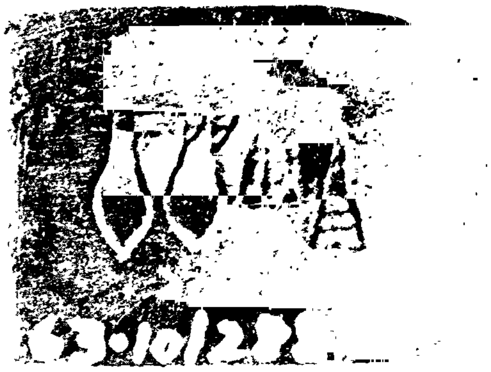
M-555 B



M-556 A



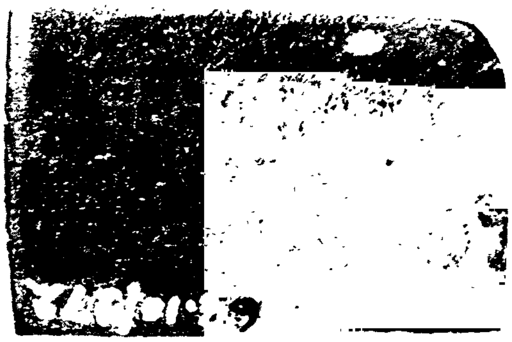
M-556 B



M-557 A



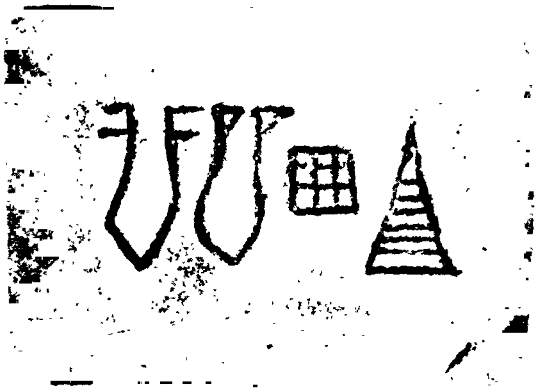
M-557 B



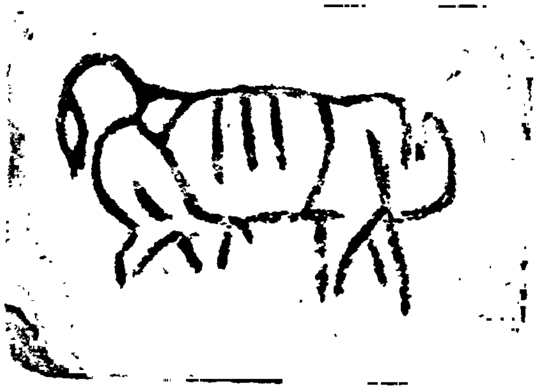
M-558 A



M-558 B



M-559 A



M-559 B



M-560 A

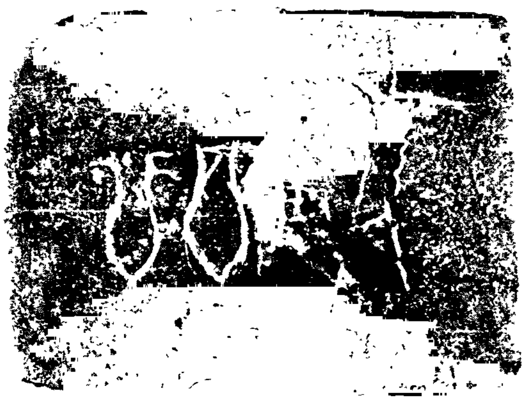


M-560 B



M-561 A


M-561 B


M-562 A


M-562 B


M-563 A


M-563 B


M-564 A

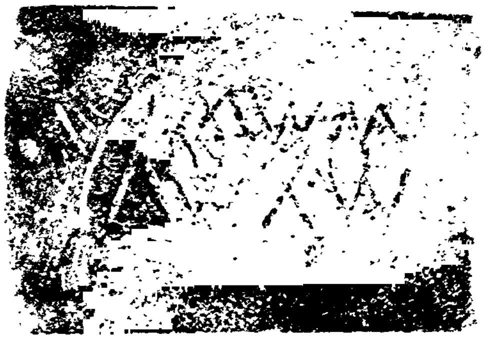

M-564 B


M-565 A

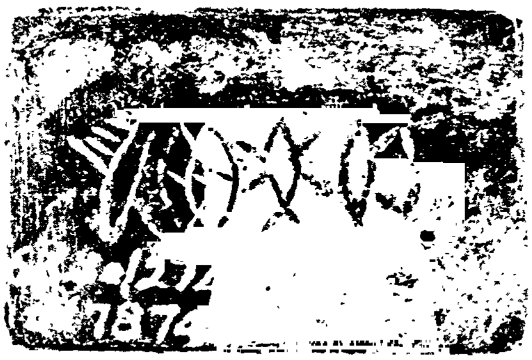

M-565 B

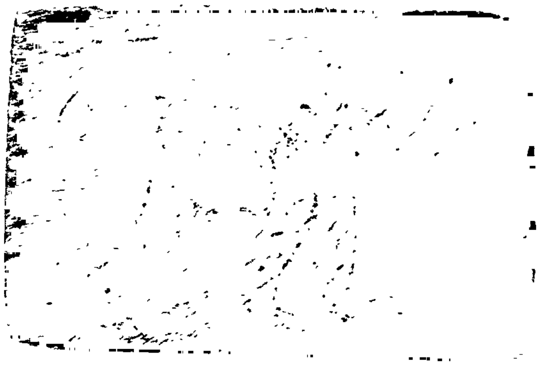

M-566 A


M-566 B


M-567 A


M-567 B


M-568 A


M-568 B



M-569 A



M-569 B



M-570 A



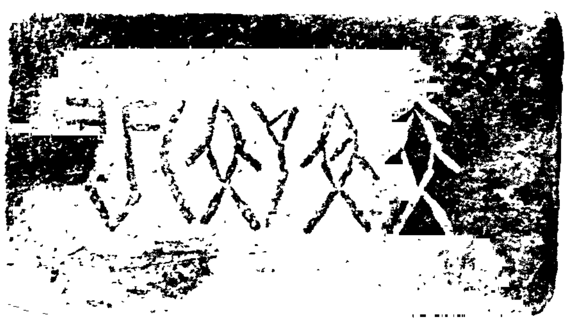
M-570 B



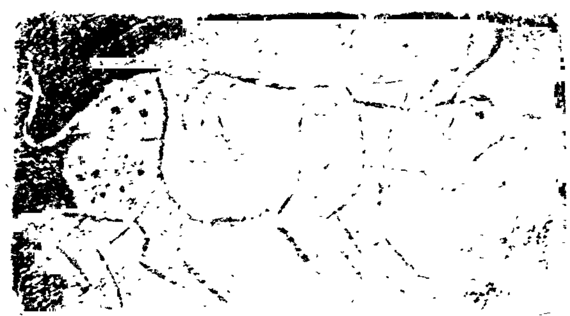
M-571 A



M-571 B



M-572 A



M-572 B



M-573 A



M-573 B



M-574 A



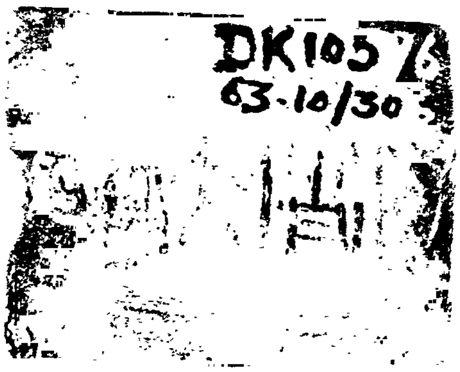
M-574 B



M-575 A



M-575 B



M-576 A



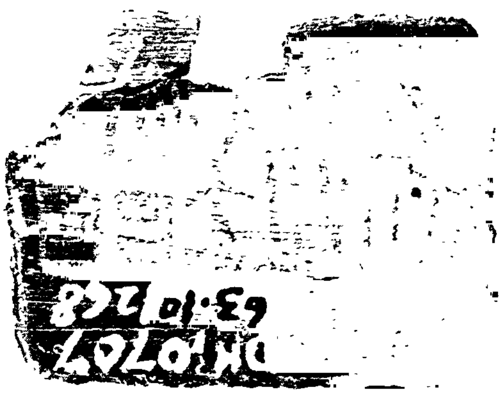
M-576 B



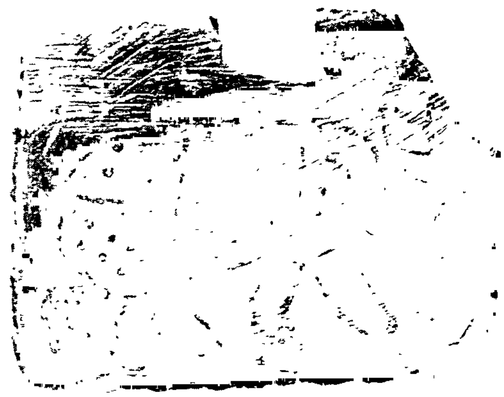
M-577 A



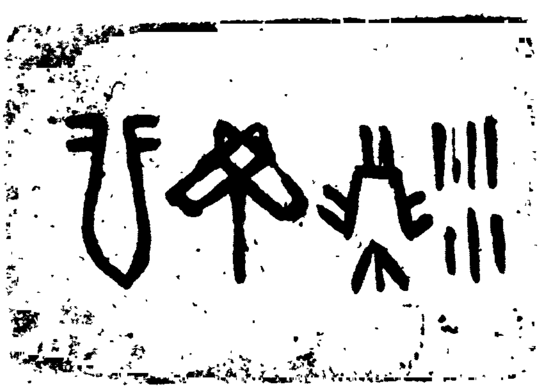
M-577 B



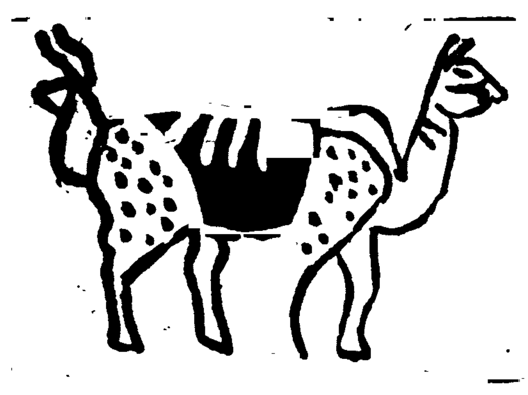
M-577 A bis



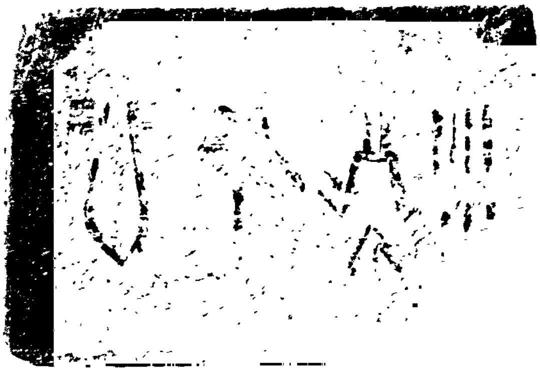
M-577 B bis



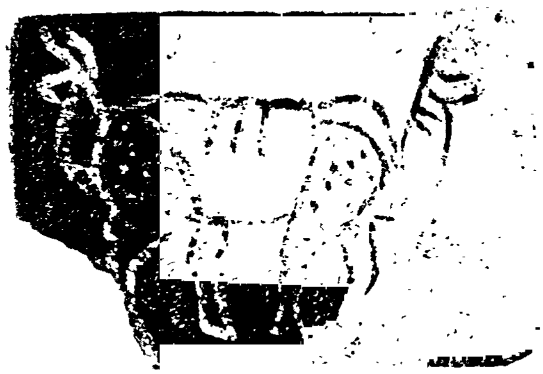
M-578 A



M-578 B



M-578 A bis



M-578 B bis



M-579 A



M-579 B



M-580 A



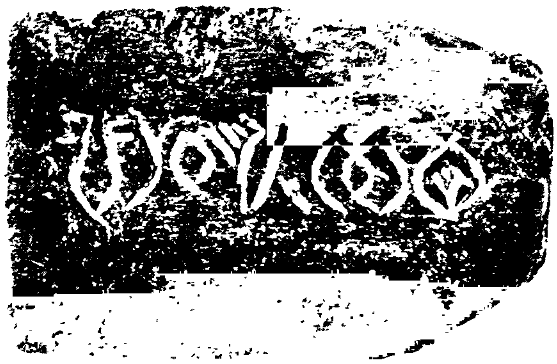
M-580 B



M-581 A



M-581 B



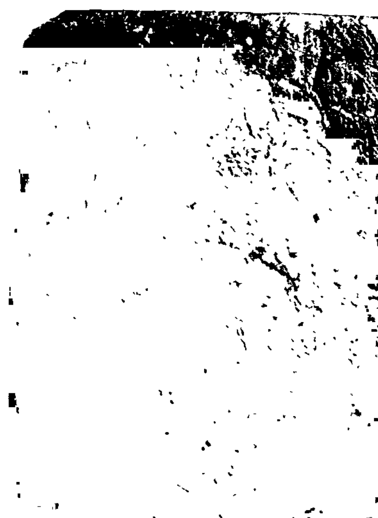
M-582 A



M-582 B



M-583 A



M-583 B



M-584 A



M-584 B



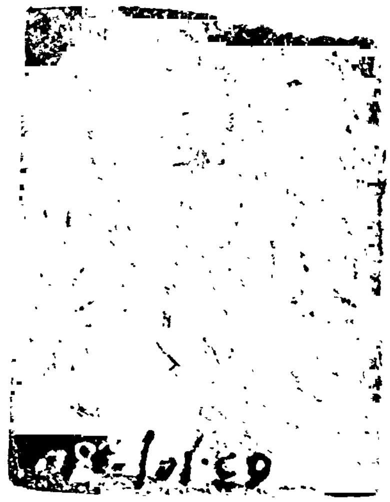
M-585 A



M-585 B



M-586 A



M-586 B



M-587 A



M-587 B



M-588 A



M-588 B



M-589 A



M-589 B



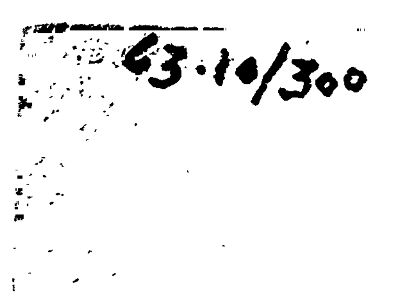
M-590 A



M-590 B



M-591 A



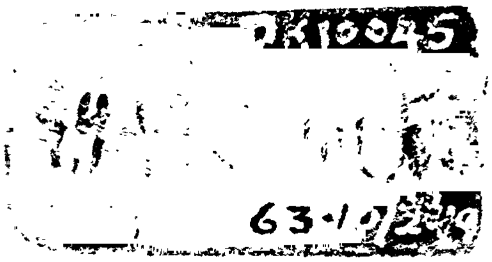
M-591 B



M-592 A



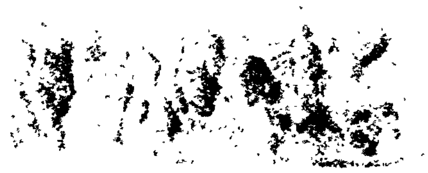
M-592 B



M-593 A



M-593 B



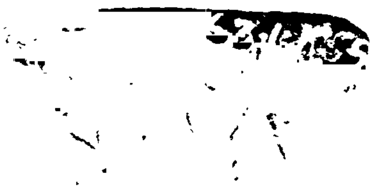
M-594 A



M-594 B



M-594 A bis



M-594 B bis [M-595 deleted]



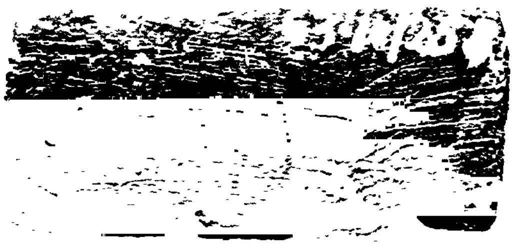
M-596 A



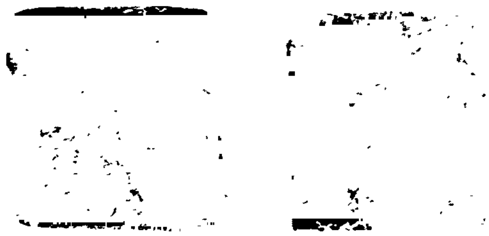
M-596 B



M-597 A



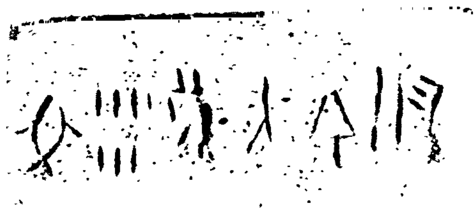
M-597 B



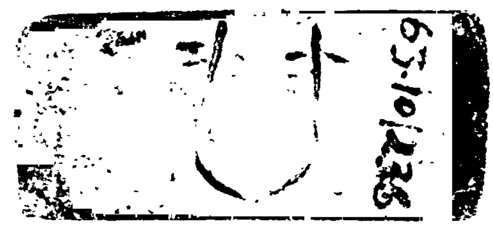
M-598 A



M-598 B



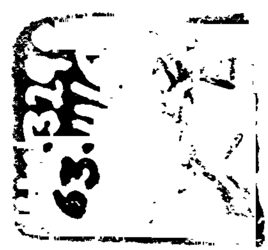
M-599 A



M-599 B



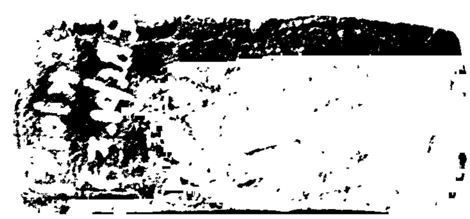
M-600 A



M-600 B



M-601 A



M-601 B



M-602 A



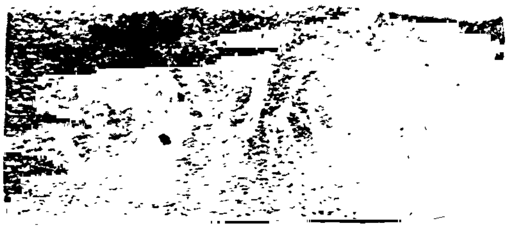
M-602 B



M-603 A



M-603 B



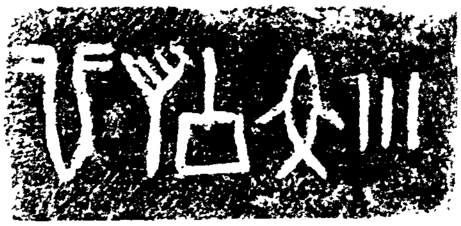
M-604 A



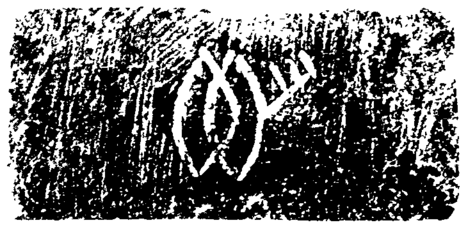
M-604 B



M-604 B bis



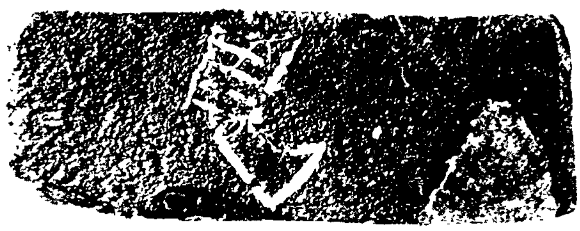
M-605 A



M-605 B



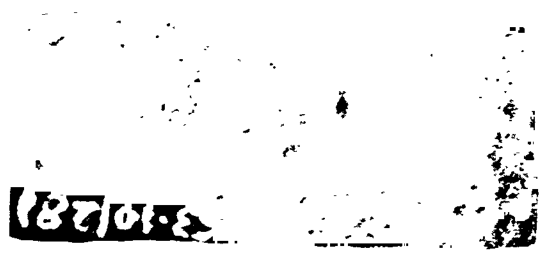
M-606 A



M-606 B



M-607 A



M-607 B



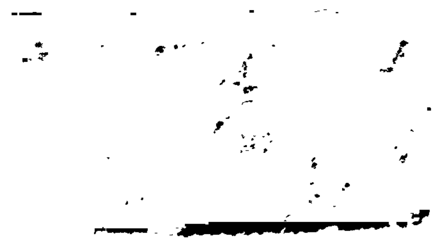
M-608 A



M-608 B



M-609 A



M-609 B



M-609 a



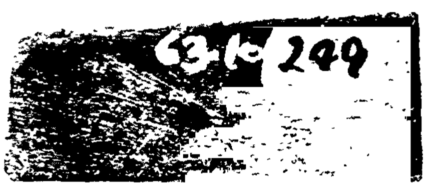
M-609 b



M-610 A



M-610 B



M-611 A



M-611 B



M-612 A



M-612 B



M-613 A



M-613 B



M-614 A



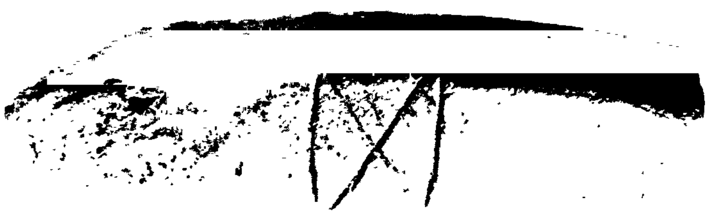
M-615 A



M-616 A



M-617 A



M-618 A



M-619 A



M-619 C



M-619 E



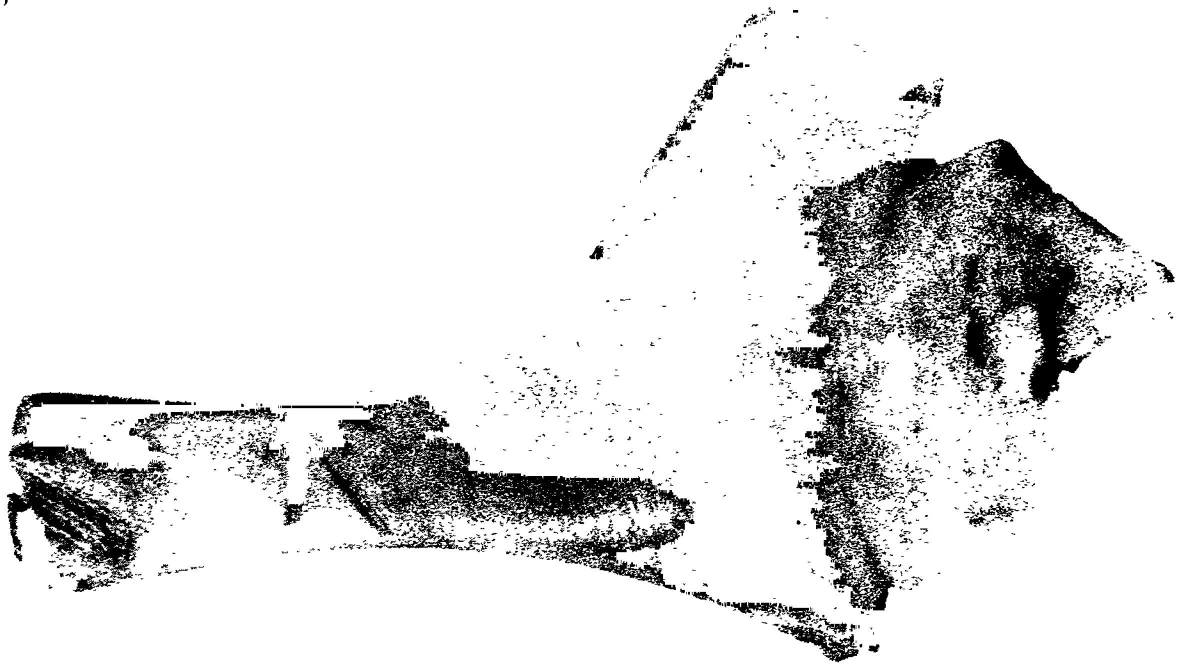
M-619 B



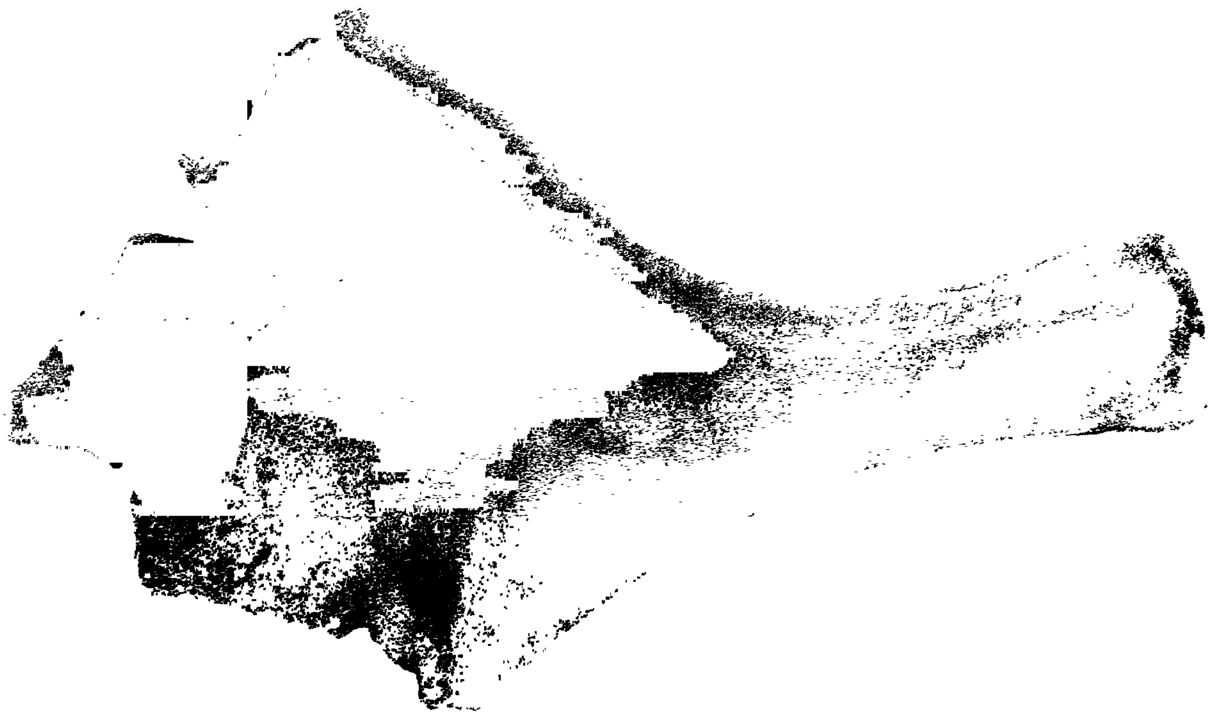
M-619 D



M-619 F



M-620 A



M-620 A

Harappa



H-1 A



H-1 A bis



H-1 a



H-1 a bis



H-2 A



H-2 a



H-3 A



H-3 a



H-4 A



H-4 a



H-5 A



H-5 a



H-6 A



H-6 a



H-7 A



H-7 a



H-8 A (152 %)



H-8 A bis



H-8 a



H-9 A



H-9 a



H-10 A



H-10 a



H-11 A



H-11 a



H-12 A



H-12 a



H-13 A



H-13 a



H-14 A



H-14 a



H-15 A



H-15 a



H-16 A



H-16 a



H-17 A



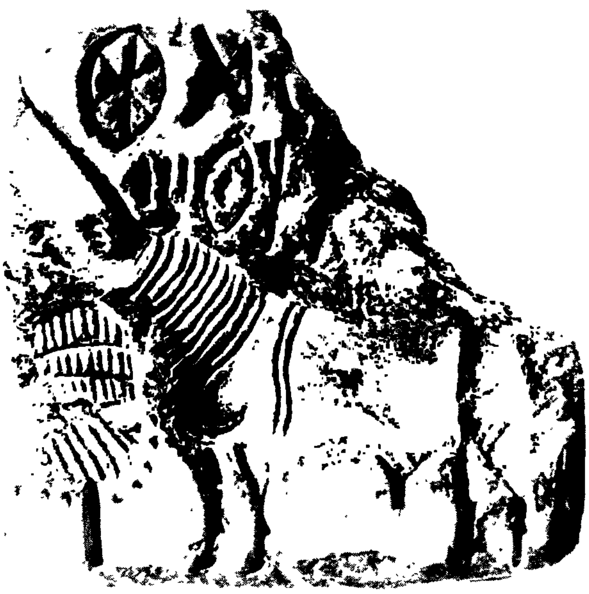
H-17 a



H-18 A



H-18 a



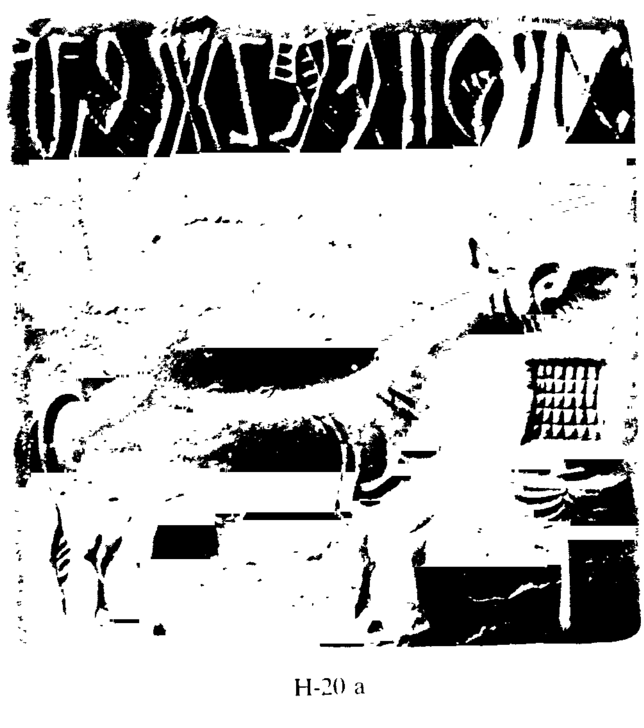
H-19 A



H-19 a



H-20 A



H-20 a



H-21 A



H-21 a



H-22 A



H-22 a



H-23 A



H-23 a



H-24 A



H-24 a



H-25 A



H-25 a



H-26 A



H-26 a



H-27 A



H-27 a



H-28 A



H-28 a



H-29 A



H-29 a



H-30 A



H-30 a



H-31 A



H-31 a



H-32 A



H-32 a



H-33 A



H-33 a



H-34 a



H-34 A



H-34 a bis



H-35 A



H-35 a



H-36 A



H-36 a



H-37 A



H-37 a



H-38 A



H-38 a



H-39 A



H-39 a



H-40 A



H-40 a



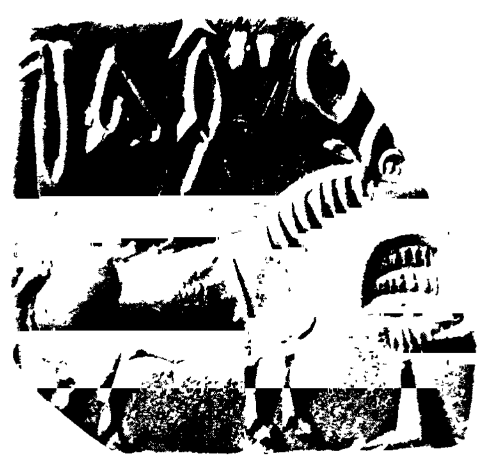
H-41 A



H-41 a



H-42 A



H-42 a



H-43 A



H-43 a



H-44 A



H-44 a



H-45 A



H-45 a



H-46 A



H-46 a



H-47 A



H-47 a



H-48 A



H-49 A



H-50 A



H-48 a



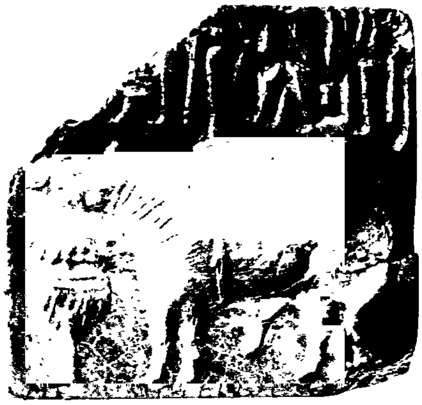
H-49 a



H-50 a



H-51 A



H-52 A



H-53 A



H-51 a



H-52 a



H-53 a



H-54 A



H-55 A



H-56 A



H-54 a



H-55 a



H-56 a

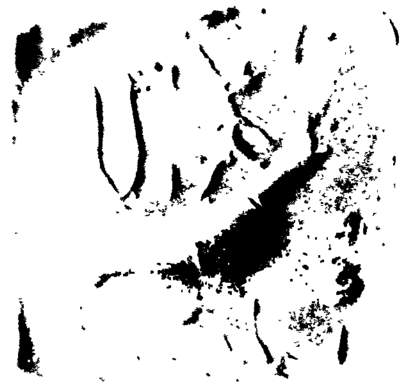

H-57 A


H-58 A


H-59 A


H-57 a


H-58 a


H-59 a


H-60 A


H-61 A


H-62 A


H-60 a


H-61 a


H-62 a


H-63 A

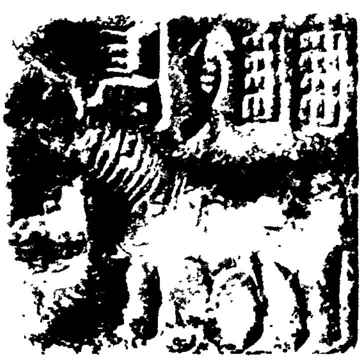

H-64 A


H-65 A


H-63 a


H-64 a


H-65 a


H-66 A


H-67 A


H-68 A


H-66 a


H-67 a


H-68 a



H-69 A



H-70 a



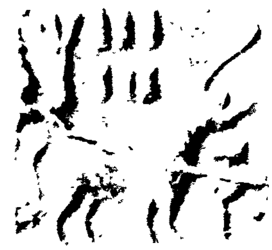
H-71 a



H-69 a



H-70 A



H-71 A



H-72 A



H-73 A



H-74 A



H-75 A



H-72 a



H-73 a



H-74 a



H-75 a


H-76 A


H-77 A


H-78 A


H-76 a


H-77 a


H-78 a


H-79 A


H-80 A


H-81 A


H-79 a


H-80 a


H-81 a



H-82 A



H-82 a



H-83 a



H-83 A



H-83 a bis



H-84 A



H-85 A



H-86 A



H-84 a



H-85 a



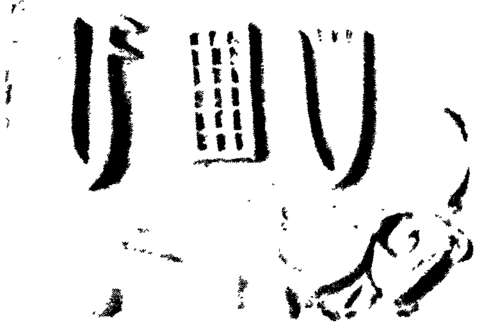
H-86 a



H-87 A



H-88 A



H-87 a



H-88 a



H-89 A



H-90 A



H-91 A



H-89 a



H-90 a



H-91 a



H-94 A



H-92 A



H-93 A



H-92 a



H-93 a



H-94 a



H-95 A



H-95 a



H-96 A



H-96 a



H-97 A



H-97 a



H-98 A



H-98 a



H-99 A



H-99 a



H-99 B



H-99 D



H-99 E



H-100 A



H-100 a



H-100 C



H-100 B



H-100 D



H-101 A



H-101 a



H-101 B



H-102 A



H-102 a



H-102 B



H-102 b



H-102 D



H-103 A



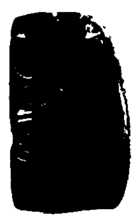
H-103 a



H-103 F



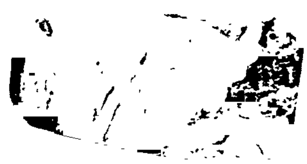
H-103 B



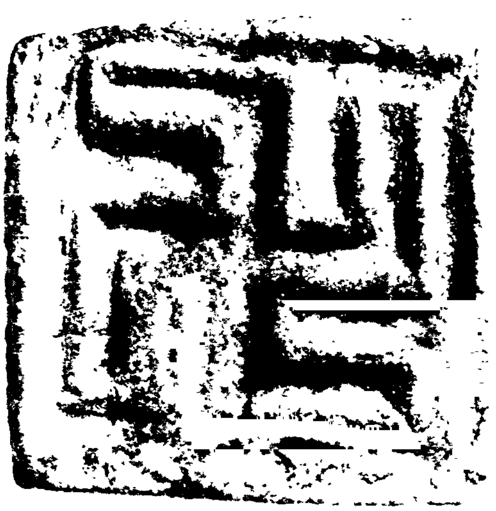
H-103 D



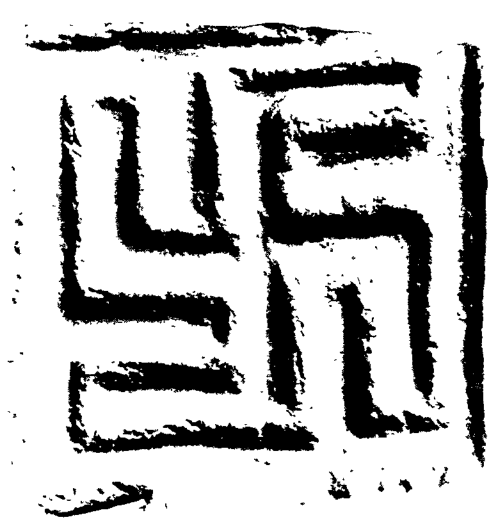
H-103 C



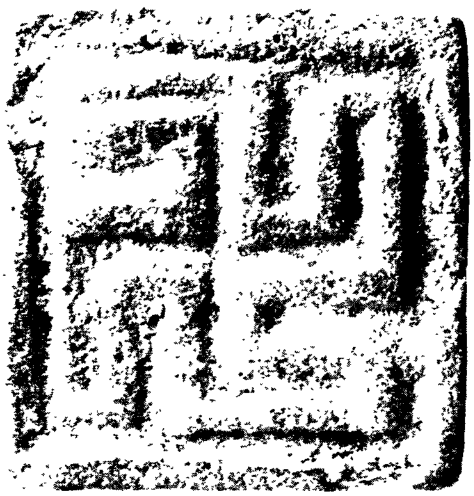
H-103 E



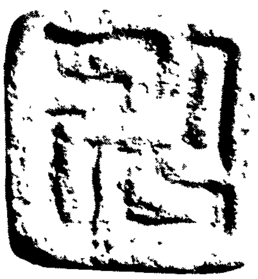
H-104 A



H-104 a


H-105 A

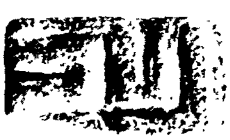

H-105 a

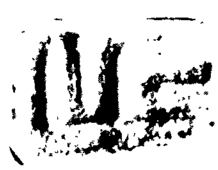

H-106 A

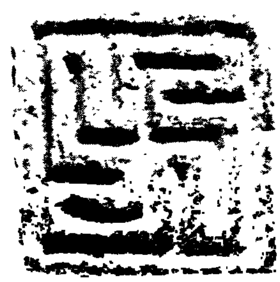

H-106 a

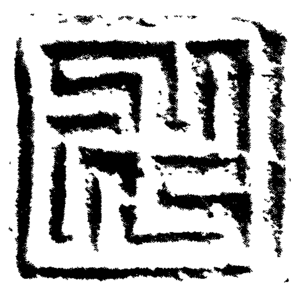

H-107 A


H-107 a


H-108 A

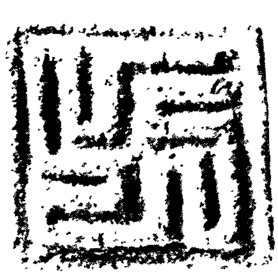

H-108 a


H-109 A

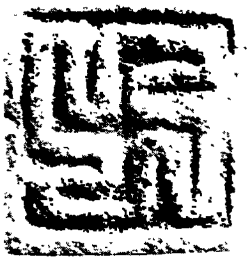

H-109 a


H-110 A


H-110 a


H-111 A


H-111 a


H-112 A

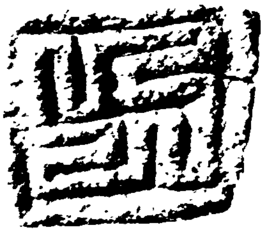

H-112 a


H-113 A

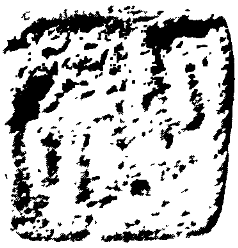

H-113 a


H-114 A


H-114 a

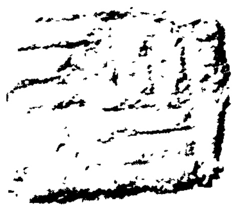

H-115 A


H-115 a

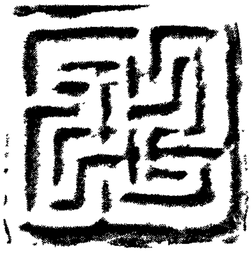

H-116 A

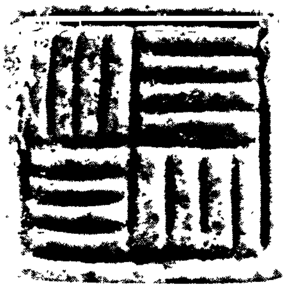

H-116 a


H-117 A

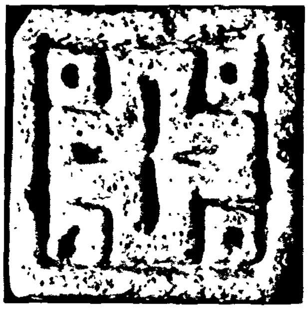

H-117 a


H-118 A

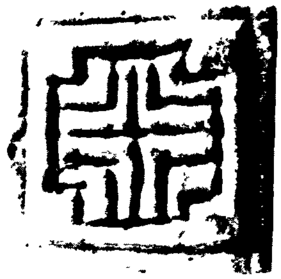

H-118 a


H-119 A


H-119 a

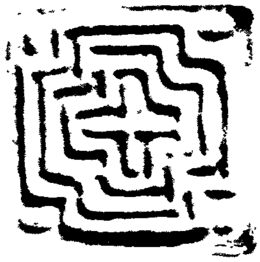

H-120 A

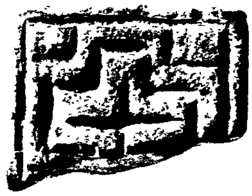

H-120 a


H-121 A

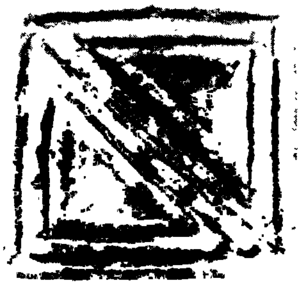

H-121 a

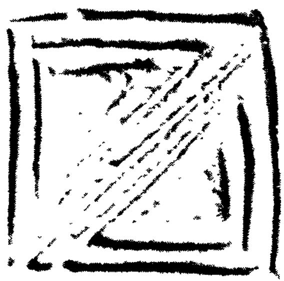

H-122 A

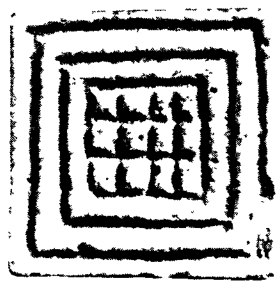

H-122 a

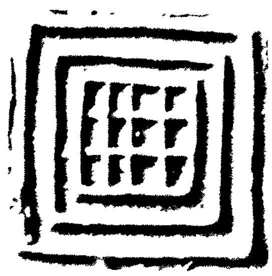

H-123 A

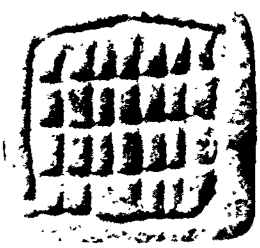

H-123 a


H-124 A

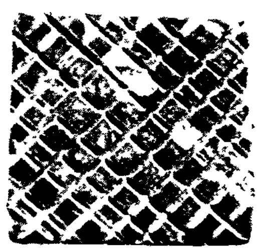

H-124 a

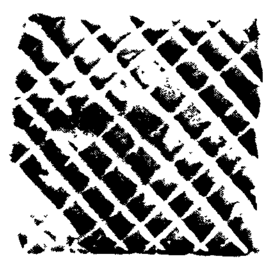

H-125 A

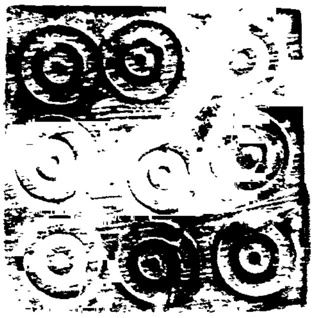

H-125 a


H-126 A

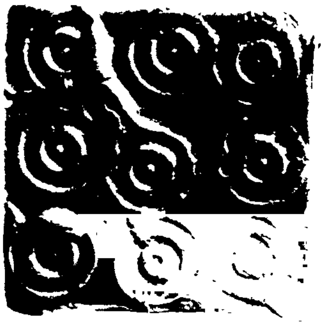

H-126 a


H-127 A


H-127 a



H-128 A



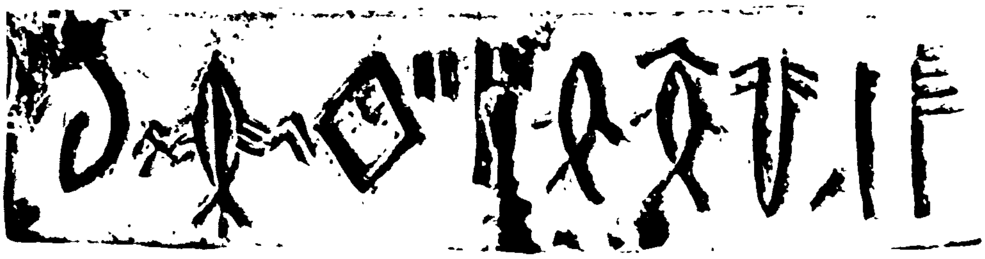
H-128 a



H-128 C



H-128 B



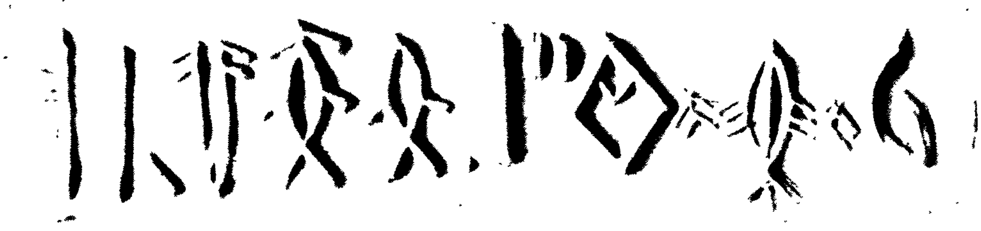
H-129 A



H-129 A bis



H-129 a



H-129 a bis



H-129 B



H-129 E



H-130 A



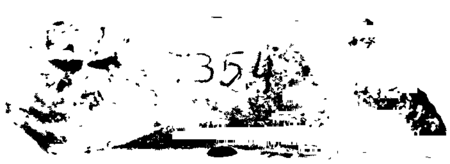
H-130 a



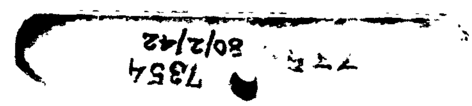
H-131 A



H-131 a



H-131 B



H-131 E



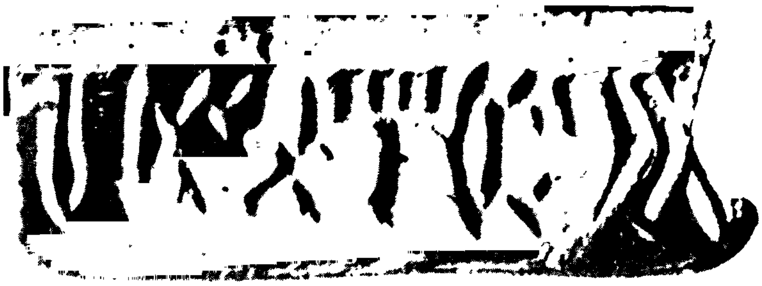
H-132 A



H-132 a



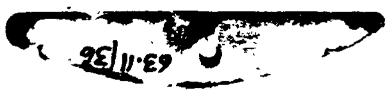
H-133 A



H-133 a

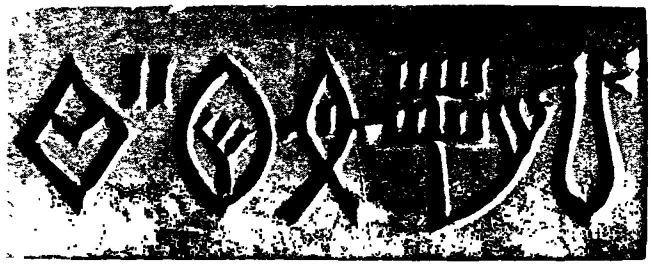


H-133 B



H-133 E

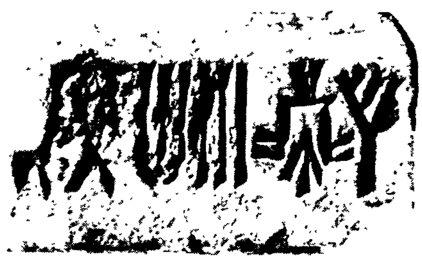

H-134 A

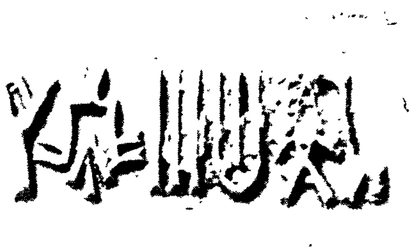

H-135 A


H-134 a


H-135 a


H-136 A


H-136 A bis


H-136 a


H-136 C

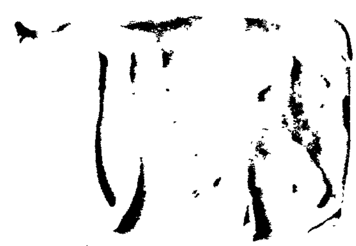

H-136 E


H-137 A

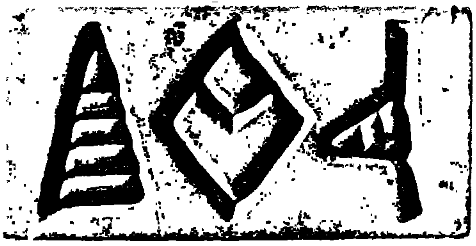

H-138 A


H-138 C


H-137 a


H-138 a

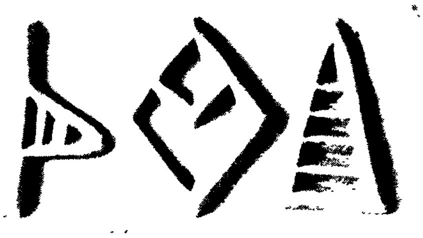

H-138 E



H-139 A



H-140 A



H-139 a



H-140 a



H-141 A



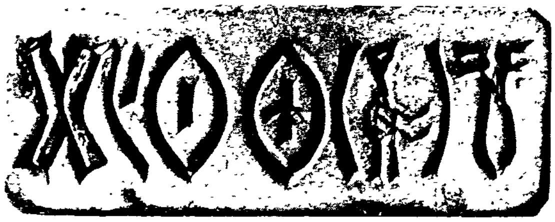
H-141 A bis



H-141 a



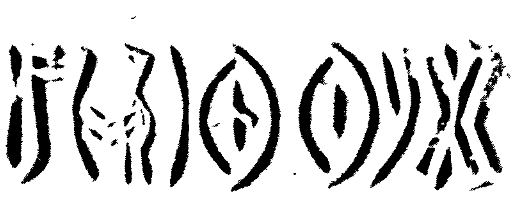
H-141 a bis



H-142 A



H-143 A



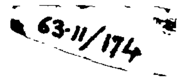
H-142 a



H-143 a

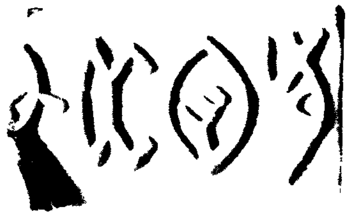

H-144 A


H-145 A



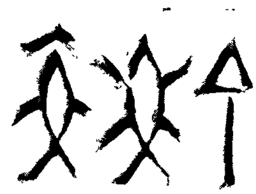
H-145 E


H-144 a

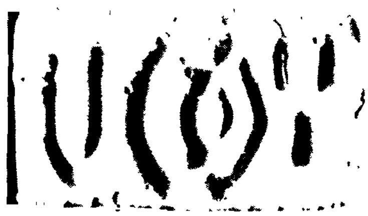

H-145 a

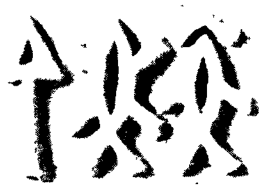

H-146 A


H-147 A


H-148 A


H-146 a

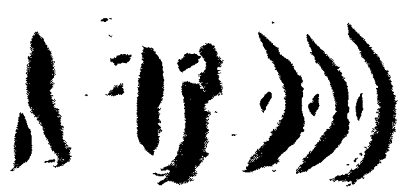

H-147 a

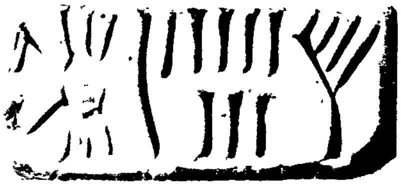

H-148 a


H-149 A


H-150 A

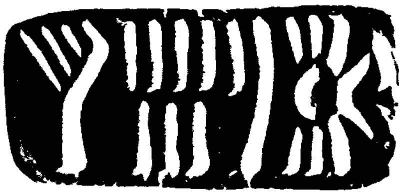

H-149 a


H-150 a


H-151 A


H-152 A


H-153 A

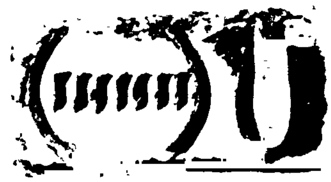

H-151 a


H-152 a


H-153 a

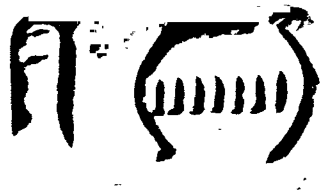

H-154 A


H-155 A


H-156 A


H-154 a


H-155 a

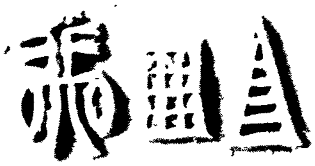

H-156 a


H-157 A


H-158 A


H-159 A


H-159 A bis


H-157 a

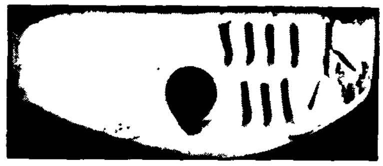

H-158 a


H-159 a


H-159 C



H-160 A



H-160 C



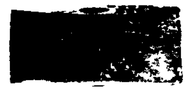
H-160 C bis



H-160 a



H-160 c



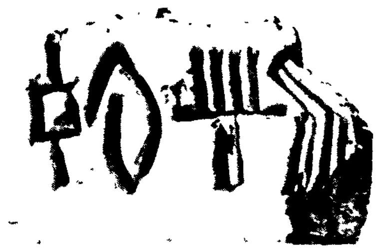
H-160 B



H-160 E



H-161 A



H-162 A



H-161 a



H-162 a



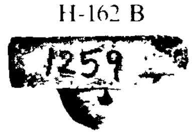
H-161 B



H-161 D



H-162 B



H-162 E


H-163 A

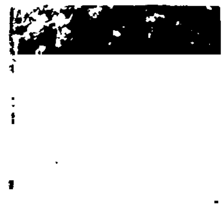

H-163 A bis

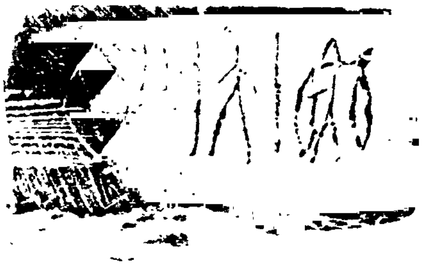

H-163 C


H-163 B


H-163 a


H-163 E


H-164 C


H-164 A

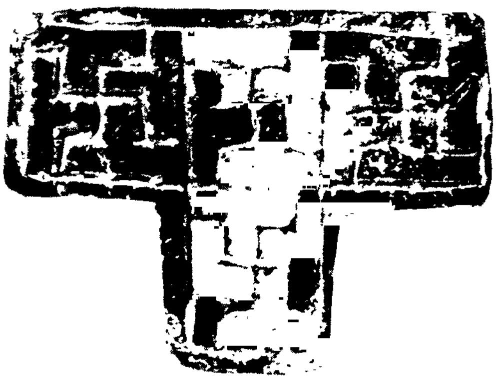

H-164 F

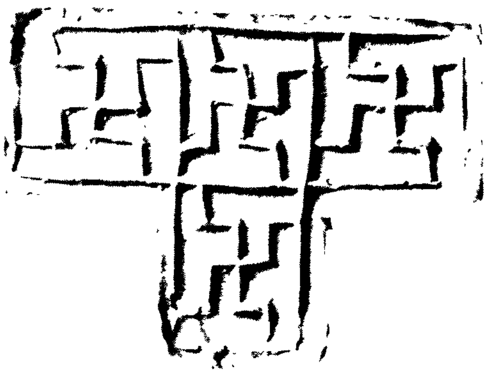

H-164 B

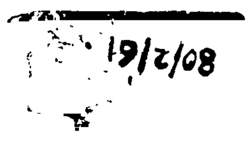

H-164 E


H-164 a


H-164 D


H-165 A


H-165 a


H-165 B


H-165 F


H-165 E



H-166 A



H-166 B



H-166 a



H-166 b



H-166 E



H-167 A (1) (50 %)



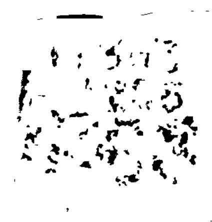
H-167 A (2)



H-168 A



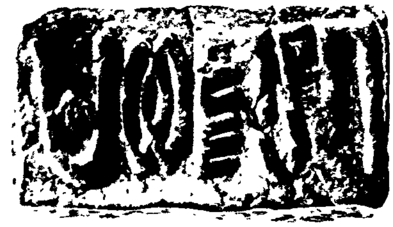
H-169 A



H-169 B

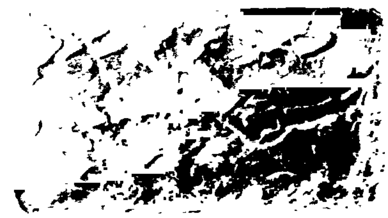

H-170 A


H-171 A


H-172 A

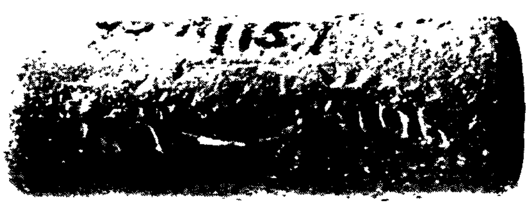

H-170 B


H-171 B


H-172 B


H-173 A


H-174 A


H-173 B


H-174 B


H-175 A


H-175 B


H-175 B bis



H-176 A



H-176 A bis



H-176 B



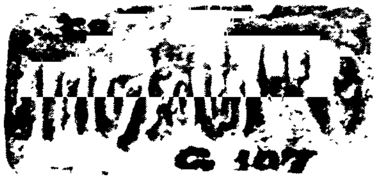
H-176 B bis



H-176 a



H-176 b


H-177 A

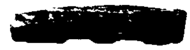

H-178 A


H-178 B


H-178 B bis


H-177 B


H-178 C


H-178 E

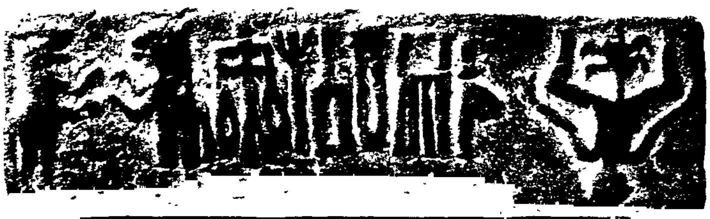

H-179 A


H-179 B


H-178 B ter


H-178 D


H-178 F

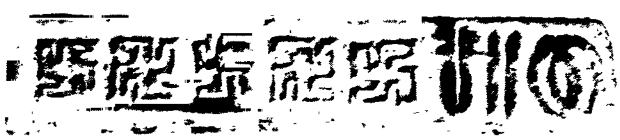

H-180 A


H-181 A


H-180 B


H-181 B


H-182 A


H-182 B





H-183 A





H-183 B

H-184 A

H-184 B





H-185 A



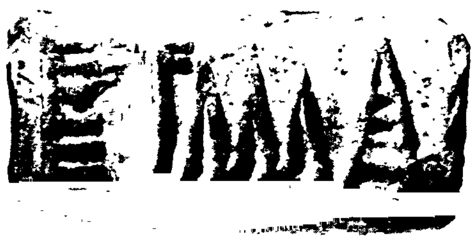


H-185 B

H-186 A

H-186 B





H-187 A





H-187 B

H-188 A

H-188 B



H-189 B



H-189 A



H-190 A



H-190 B



H-191 B



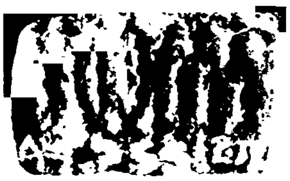
H-191 A



H-192 A



H-192 B



H-193 A



H-193 B



H-192 B bis



H-192 D



H-192 A bis



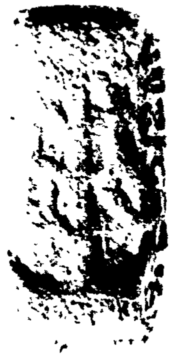
H-193 A bis



H-194 B



H-194 A



H-195 A



H-195 B


H-196 A


H-196 A bis


H-196 B


H-196 B bis


H-197 B


H-197 A

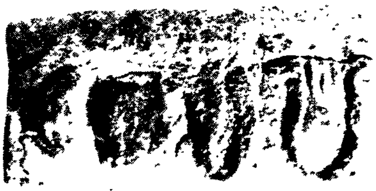

H-198 A


H-198 B


H-199 A


H-200 A


H-201 A


H-199 B


H-200 B


H-201 B


H-202 A


H-202 B



H-203 A



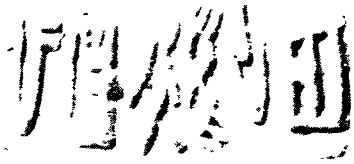
H-204 A



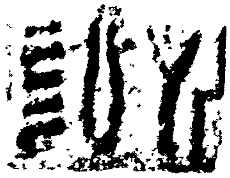
H-204 B



H-205 A



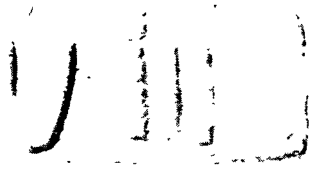
H-206 A



H-207 A



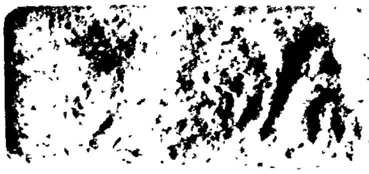
H-205 B



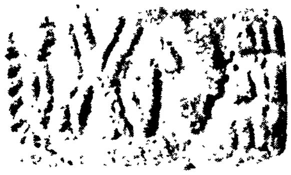
H-206 B



H-210 A



H-208 A



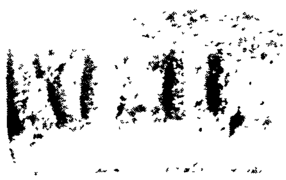
H-209 A



H-210 a



H-208 B



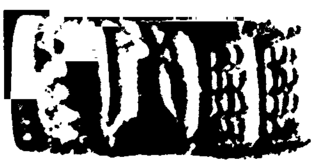
H-209 B



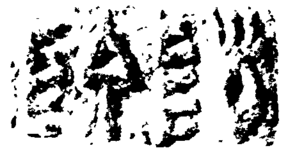
H-210 B



H-212 A



H-211 A



H-213 A



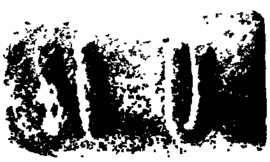
H-212 a



H-211 B



H-213 B



H-212 B


H-214 A


H-215 A


H-216 A


H-217 A


H-214 B


H-215 B

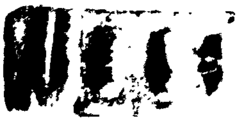

H-216 B


H-217 B


H-218 A


H-219 A

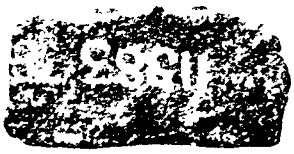

H-218 B

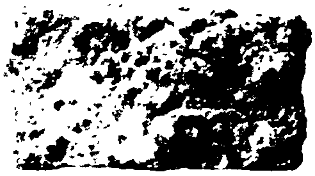

H-219 B


H-220 A


H-221 A


H-222 A


H-221 B


H-222 B


H-223 A

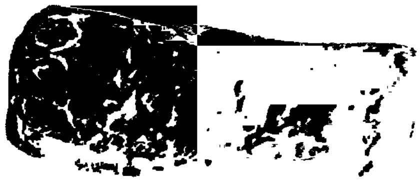

H-224 A

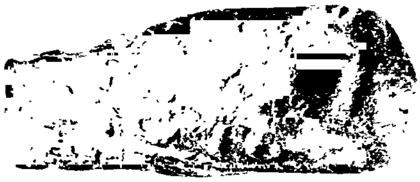

H-225 A


H-223 B

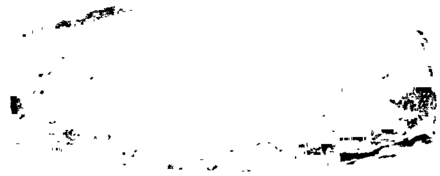

H-224 B


H-226 A


H-226 C-B


H-226 B


H-227 A


H-227 B


H-228 A

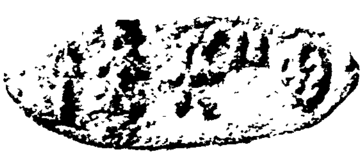

H-229 A


H-230 A


H-228 B

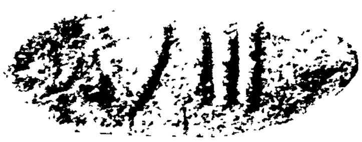

H-229 B


H-230 B


H-231 A


H-232 A


H-233 A


H-231 B

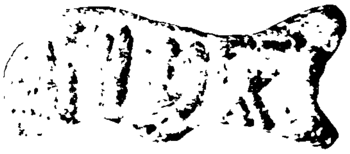

H-232 B


H-233 B


H-234 A


H-234 B


H-235 A


H-236 A


H-237 A


H-234 a


H-234 b


H-235 B


H-236 B

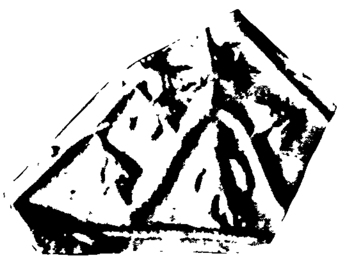

H-237 B


H-238 A

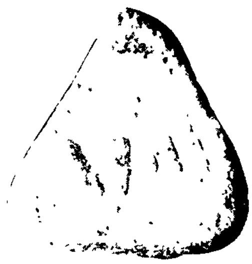

H-239 A


H-239 A bis


H-240 A


H-238 a


H-239 A ter


H-239 B


H-240 B


H-238 C


H-241 A


H-242 A


H-243 A


H-244 A


H-241 B


H-242 B


H-243 B


H-244 B


H-245 A


H-245 A bis


H-246 A


H-247 A


H-245 B


H-246 B


H-247 B


H-248 A


H-248 A bis


H-249 A


H-250 A


H-250 B-C


H-248 B


H-248 a

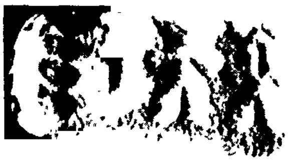

H-249 B


H-250 F


H-250 B

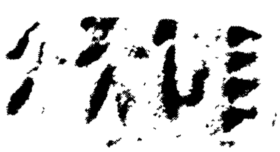

H-250 D

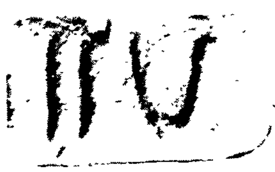

H-250 E


H-251 A


H-251 B


H-251 C


H-251 a


H-251 b

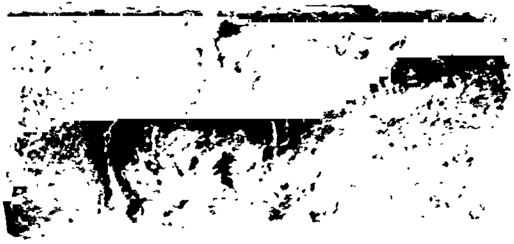

H-251 c



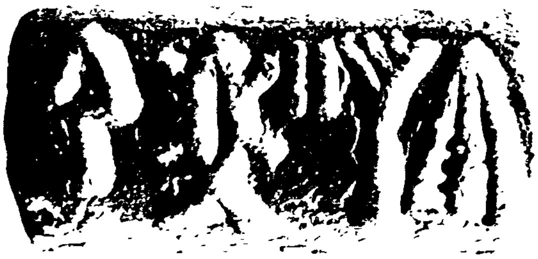
H-252 A



H-252 D



H-252 B



H-252 A bis



H-252 B bis



H-253 A



H-253 B



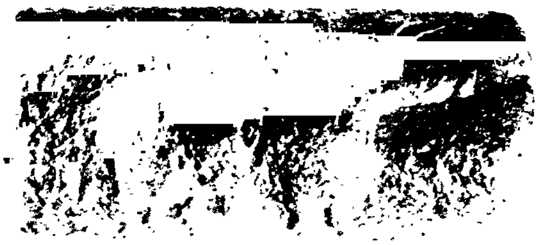
H-253 A bis



H-253 B bis



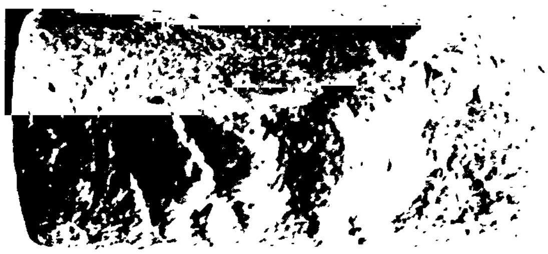
H-254 A



H-254 B



H-254 A bis



H-254 B bis



H-255 A



H-255 B



H-255 A bis



H-255 B bis



H-256 A



H-256 B



H-256 A bis



H-256 B bis



H-257 A



H-257 B

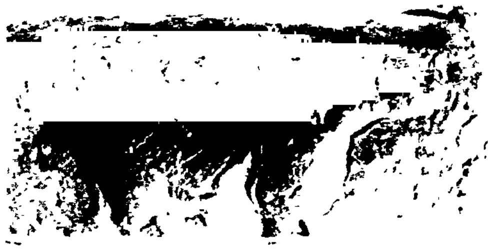


H-257 A bis



H-257 B bis

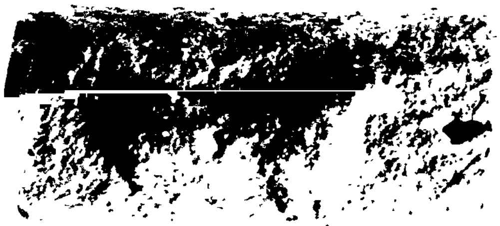

H-258 A


H-258 B


H-258 A bis


H-258 B bis


H-259 A


H-259 B


H-259 A bis


H-259 B bis


H-260 A


H-260 B


H-260 A bis


H-260 B bis



H-261 A



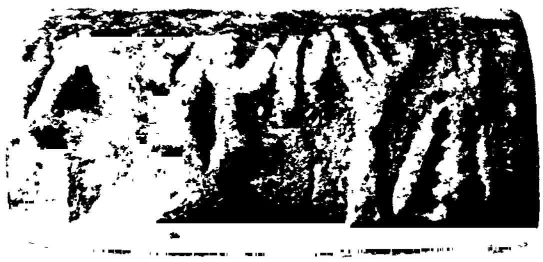
H-261 B



H-261 A bis



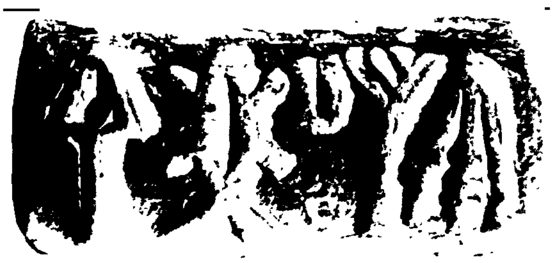
H-261 B bis



H-262 A



H-262 B



H-263 A



H-263 B



H-264 A



H-264 B



H-265 A



H-265 B

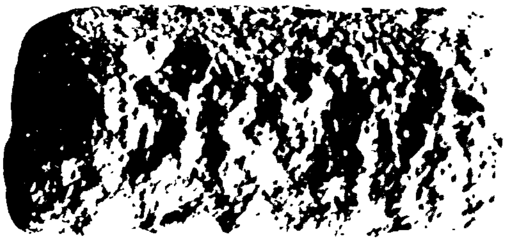
[For H-266 to H-275 see vol. 2]



H-276 A



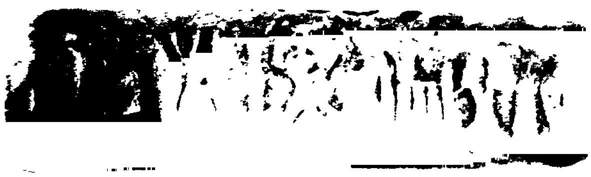
H-276 B



H-277 A



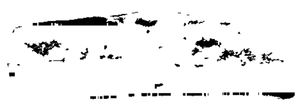
H-277 B



H-278 A



H-278 B



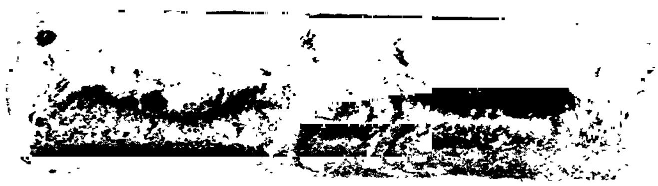
H-278 C



H-278 D



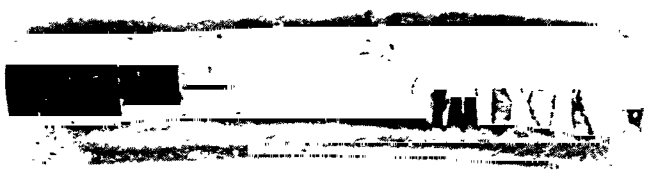
H-279 A



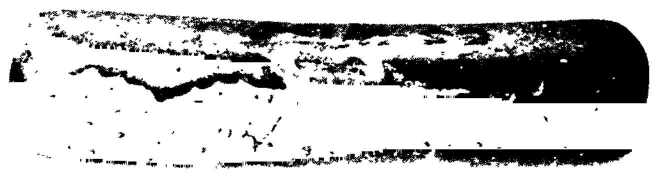
H-279 B



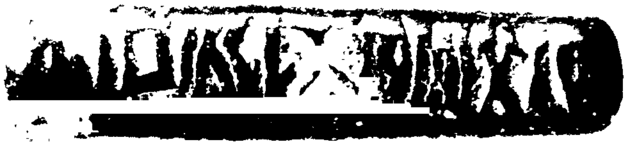
H-280 A



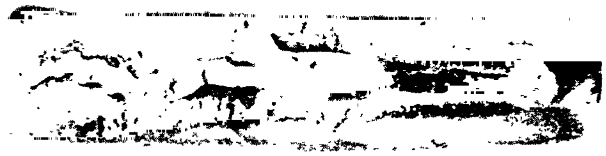
H-280 A bis



H-280 B



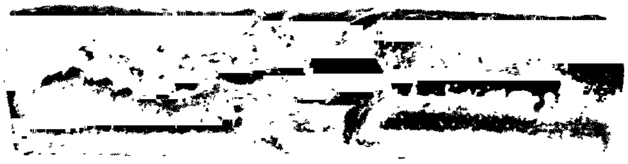
H-281 A



H-281 B



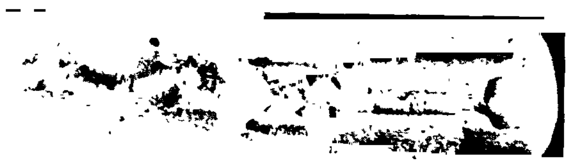
H-282 A



H-282 B



H-283 A



H-283 B



H-284 A



H-284 B



H-285 A



H-285 B



H-286 A



H-286 a



H-287 A



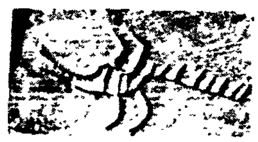
H-285 a



H-286 B



H-286 b



H-287 B



H-288 A



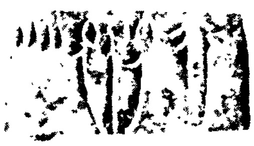
H-288 B



H-289 A



H-289 B



H-290 A



H-290 B


H-291 A


H-291 B


H-292 B


H-292 A


H-293 B


H-291 a


H-293 A


H-294 A


H-294 a


H-294 B


H-294 b


H-295 A


H-295 a


H-294 A bis


H-295 B


H-295 B

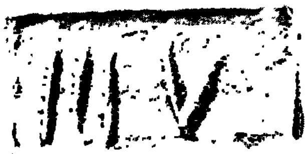

H-296 A


H-296 a


H-297 A


H-298 A


H-296 B


H-296 b


H-297 B

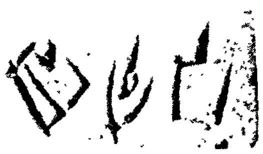

H-298 B


H-299 A


H-300 A


H-301 A

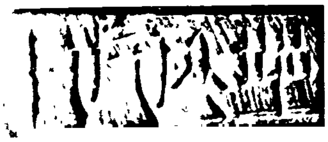

H-301 A bis


H-299 B


H-300 B


H-301 B


H-301 B bis


H-302 A


H-303 A


H-304 A


H-305 A


H-302 B

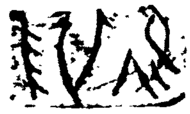

H-303 B

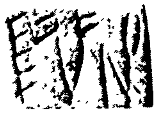

H-304 B


H-305 B


H-306 A


H-307 A

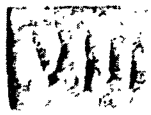

H-308 A


H-309 A


H-306 B

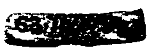

H-307 B

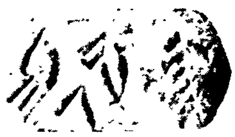

H-308 B


H-309 B

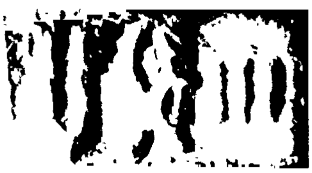

H-312 A

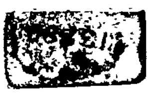

H-310 A


H-310 C


H-311 A


H-312 A bis


H-310 a


H-310 B

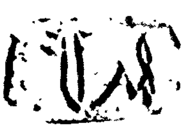

H-310 D


H-311 B


H-312 B


H-313 A


H-313 A bis


H-314 A


H-314 A bis


H-315 A


H-313 B


H-313 B bis


H-314 B


H-315 B


H-316 A


H-316 a


H-317 A


H-317 A bis


H-318 A


H-316 B


H-316 b


H-317 B


H-317 B bis


H-318 B


H-319 A

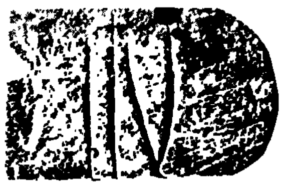

H-320 A


H-321 A

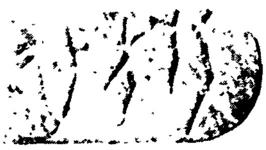

H-322 A


H-319 B


H-320 B


H-321 B

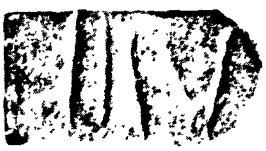

H-322 B


H-323 A


H-324 A


H-325 A


H-325 A bis


H-323 B


H-324 B


H-325 B


H-325 B bis


H-326 A


H-327 A


H-328 A


H-328 a


H-326 B


H-327 B


H-328 B


H-328 b



H-329 A



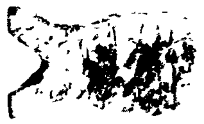
H-329 A bis



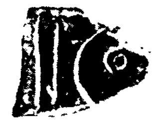
H-330 A



H-329 B



H-329 B bis



H-330 B



H-331 A



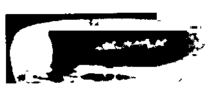
H-331 A bis



H-332 C



H-331 B



H-331 C



H-332 C



H-332 D



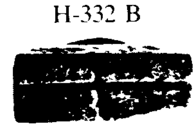
H-332 B



H-332 D



H-331 E



H-332 E



H-333 A



H-333 A bis



H-334 A



H-333 a



H-333 B



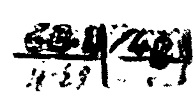
H-334 B



H-334 C



H-333 E



H-334 E

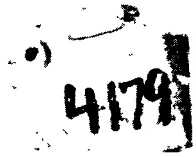

H-335 A


H-335 a


H-336 A


H-336 a


H-335 B

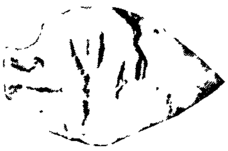


H-335 B bis


H-336 B


H-335 E


H-336 E

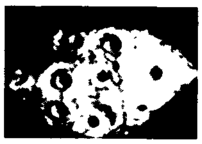

H-337 A


H-337 A bis

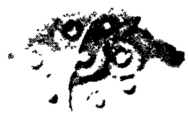

H-338 A


H-338 a


H-337 B


H-338 B


H-338 B bis

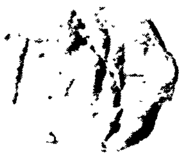

H-338 b


H-339 A

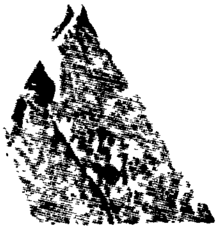

H-339 A bis


H-339 a


H-339 B

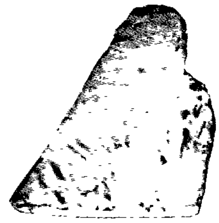

H-339 B bis

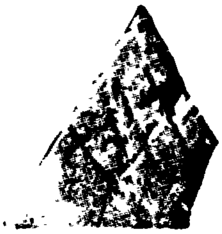

H-339 b


H-340 A


H-340 A bis


H-340 A ter


H-340 a


H-340 B


H-340 B bis

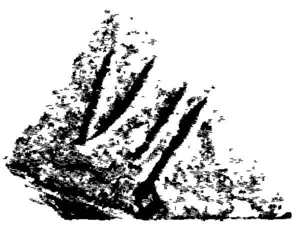

H-340 B ter


H-341 A

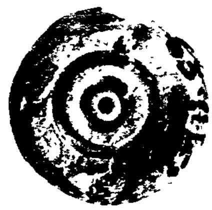

H-341 A bis


H-342 A


H-342 A bis


H-341 B


H-341 a


H-342 B

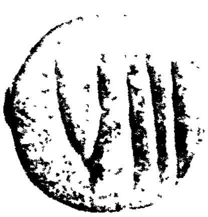

H-342 a


H-343 A


H-344 A


H-344 A bis


H-344 A ter


H-343 B


H-344 B


H-344 a


H-345 A

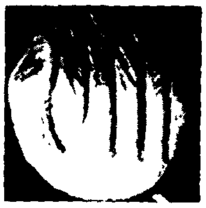

H-346 A


H-347 A


H-347 A bis


H-348 A


H-348 A bis


H-345 B


H-346 B


H-347 a


H-348 B


H-349 A


H-349 C


H-350 A



H-350 F


H-349 F


H-350 B


H-349 B


H-349 E

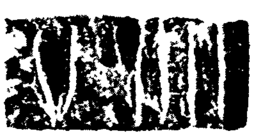

H-350 C


H-351 A

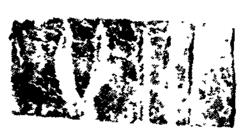

H-352 A


H-353 A


H-354 A

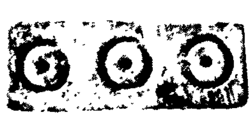

H-351 B


H-352 B


H-353 B


H-354 B

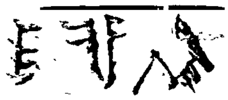

H-351 C


H-352 C


H-353 C


H-354 C


H-355 A

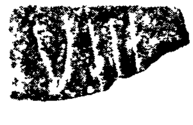

H-356 A


H-357 A

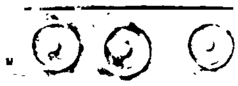

H-357 A bis


H-355 B

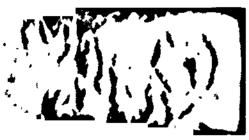

H-356 B

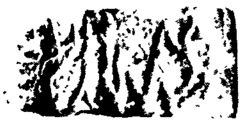

H-357 B


H-355 C


H-356 C


H-357 C

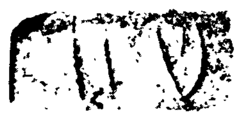

H-358 A

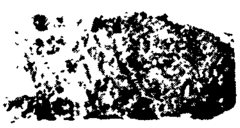

H-358 A bis


H-359 A


H-359 a


H-358 B


H-359 B


H-358 C


H-359 C


H-360 A


H-361 A


H-361 A bis


H-362 A


H-360 B

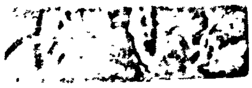

H-361 B


H-362 B


H-360 C


H-361 C

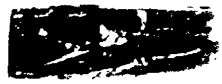

H-362 C


H-363 A


H-363 C


H-363 F


H-364 A

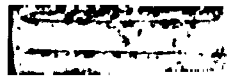

H-364 C


H-363 B

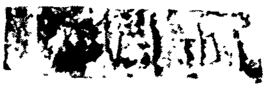

H-363 B bis


H-363 C bis

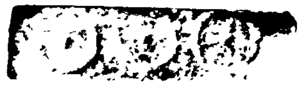

H-364 B


H-364 E


H-363 E


H-365 A


H-365 A ter

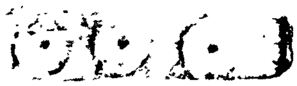

H-365 B

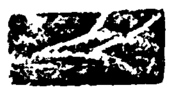

H-366 A


H-366 B

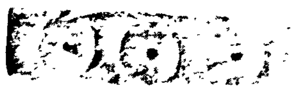

H-365 A bis

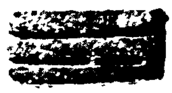

H-365 A quater


H-365 C

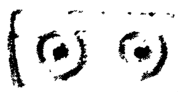

H-366 C


H-365 a


H-365 E

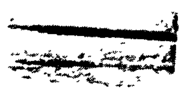

H-366 E


H-367 A


H-367 C


H-367 B


H-367 a


H-367 E


H-368 A (1)


H-368 A (2)


H-368 A (3)


H-368 A (4)


H-368 C


H-368 E


H-368 a


H-369 A (1)

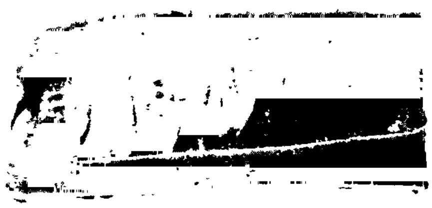

H-369 A (2)

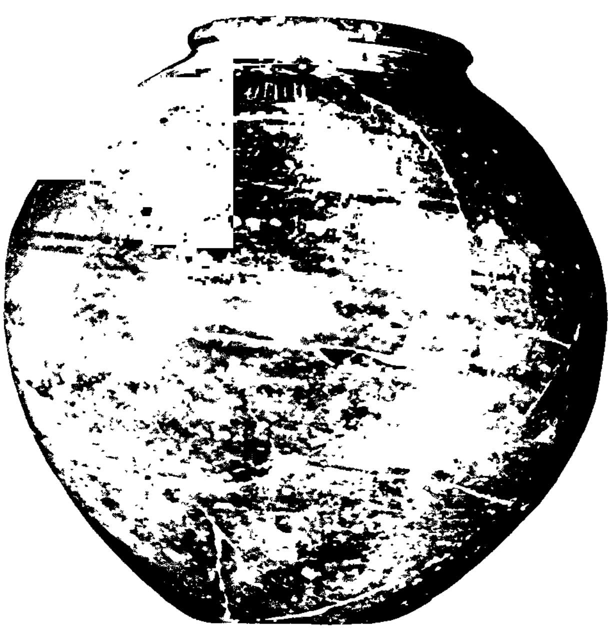

H-369 A (3)

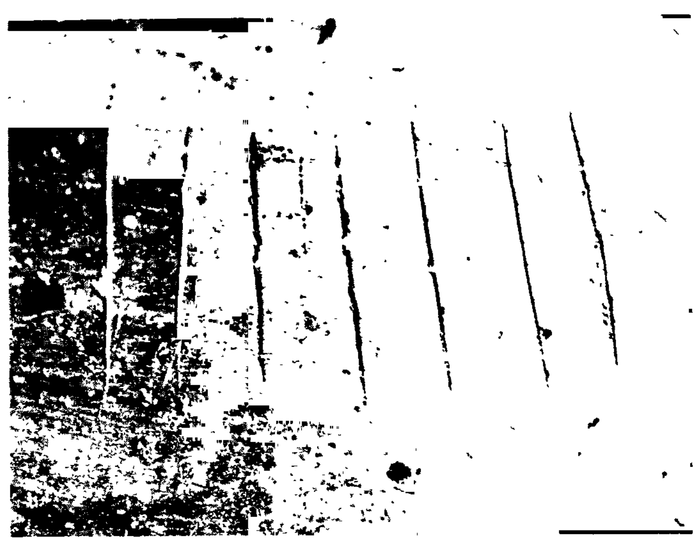

H-369 A (4)


H-369 C


H-369 E

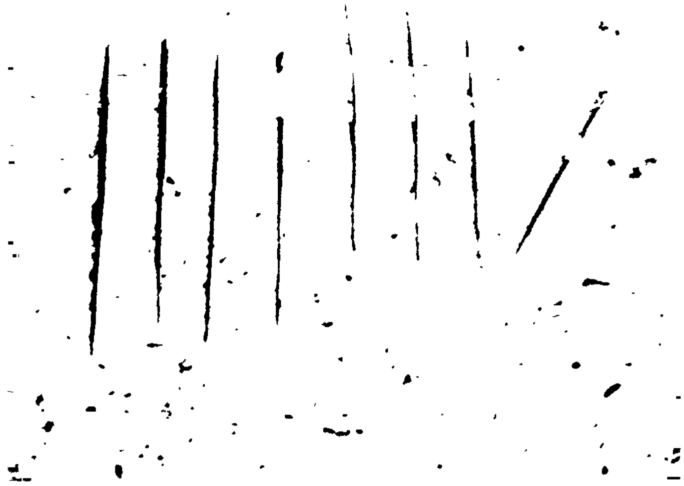

H-369 a


H-370 A (1)


H-370 A (2) (100 %)



H-371 A (1)



H-371 A (2) (100 %)



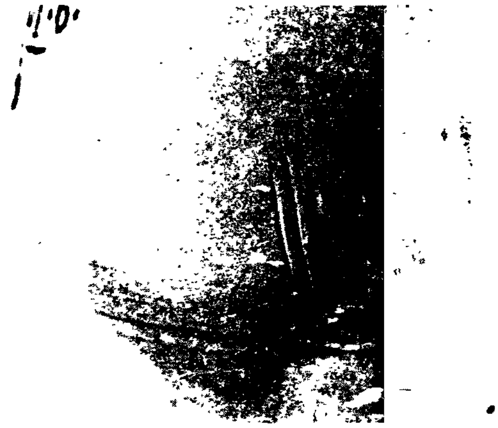
H-372 A (1)



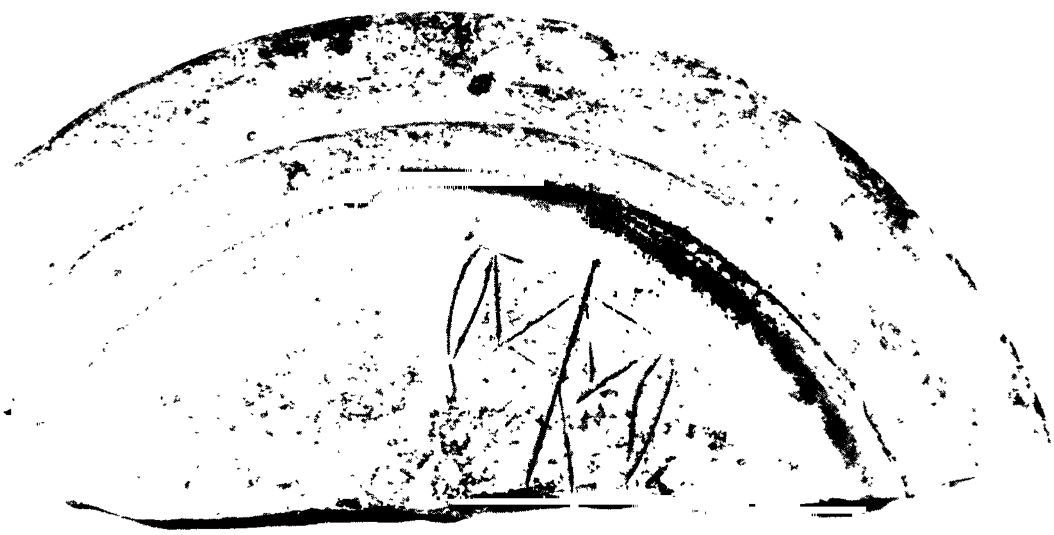
H-372 A (2) (100 %)



H-373 A (1) (50 %)



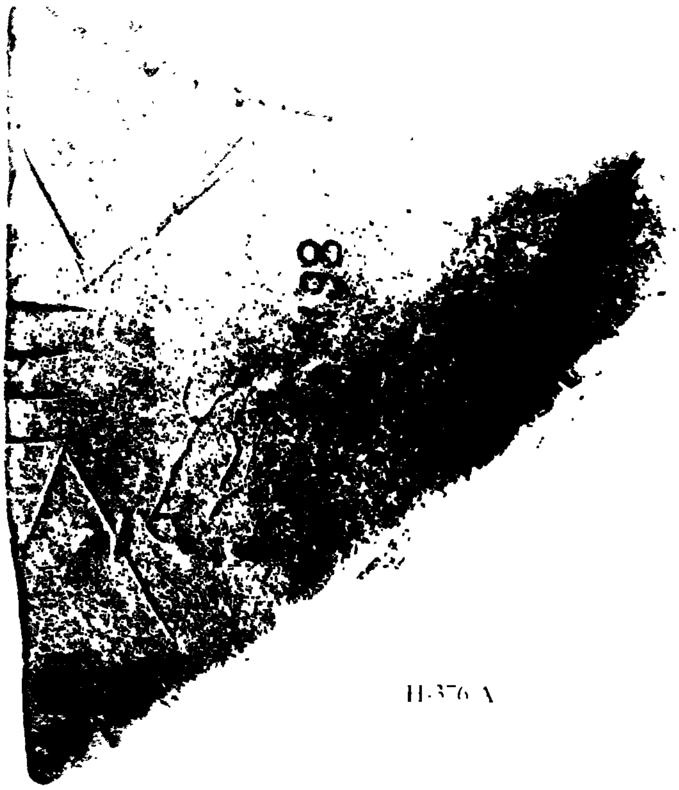
H-373 A (2) (100 %)



H-374 A



H-375 A



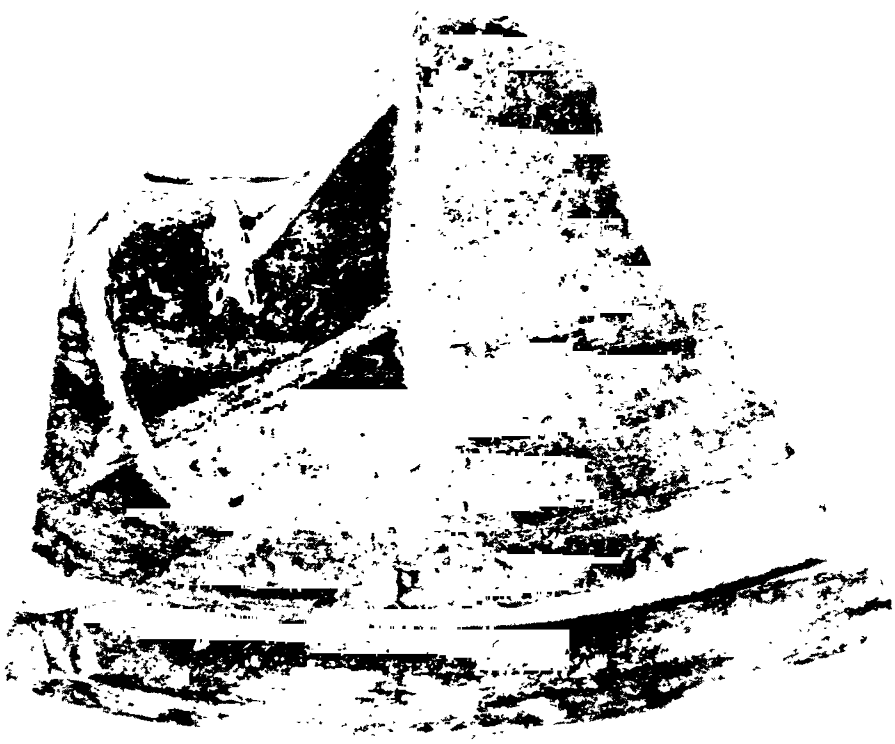
H-376 A



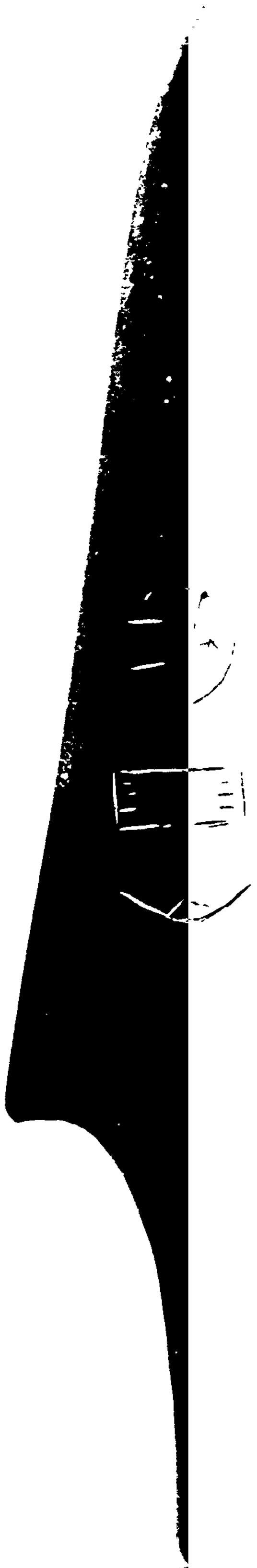
H-378 A (66%)



H-379 A (66%)



H-377 A



H-380 A (100%)



H-381 A (50%)

Lothal



L-1 A



L-1 a



L-2 A



L-2 a



L-3 A



L-3 a


L-4 A


L-4 a


L-5 A


L-5 a


L-6 A


L-6 a



L-7 A



L-7 a



L-8 A



L-8 a



L-9 A



L-9 a



L-10 A



L-10 a



L-11 A



L-11 a



L-12 A



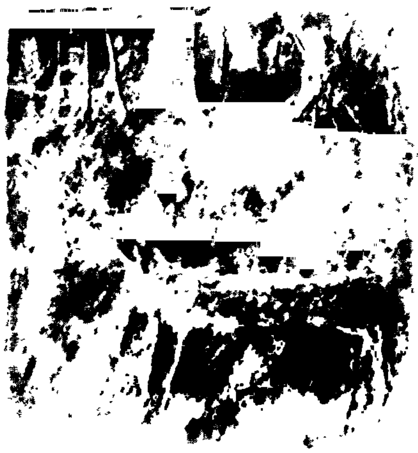
L-12 a



L-13 A



L-13 a



L-14 A



L-14 B



L-14 E



L-14 a



L-15 A



L-15 F



L-15 B



L-15 a



L-16 a



L-16 A



L-17 A



L-18 A



L-19 A



L-17 a



L-18 a



L-19 a



L-20 A



L-21 A



L-21 A bis



L-20 a



L-21 a



L-22 A



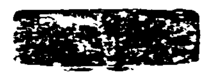
L-23 A



L-23 C



L-23 B



L-23 E



L-22 a



L-23 a



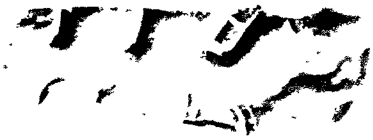
L-24 A



L-25 A



L-26 A



L-24 a



L-25 a



L-26 a



L-27 A



L-27 A bis



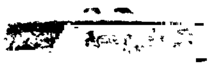
L-28 A



L-27 a



L-28 a



L-29 C



L-29 A



L-29 B



L-29 D



L-30 A



L-29 a



L-30 a



L-31 A



L-32 A



L-33 A



L-34 A



L-31 a



L-32 a



L-33 a



L-34 a



L-35 A



L-35 a



L-36 A



L-36 a



L-37 A



L-37 a



L-38 A



L-38 a



L-40 B



L-39 A



L-39 a



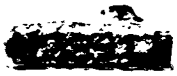
L-40 A



L-40 a



L-41 A



L-41 C



L-41 B



L-41 D



L-41 a



L-42 A



L-42 a



L-43 A



L-43 a



L-44 A



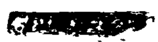
L-44 a



L-44 C-B



L-44 B



L-44 E



L-45 A



L-45 A bis



L-45 a



L-46 A



L-46 a



L-47 A



L-47 a



L-48 A



L-48 a



L-49 A



L-49 a



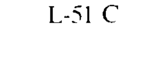
L-50 A



L-50 a



L-51 A



L-51 C



L-51 B



L-51 D



L-51 a


L-52 A


L-52 B


L-52 E


L-52 a


L-53 A


L-53 C

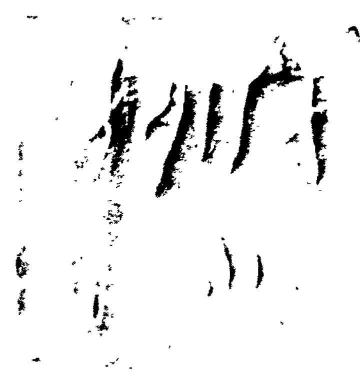

L-53 B


L-53 a


L-54 A

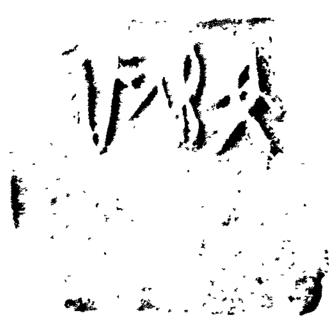

L-54 A bis


L-54 B


L-54 a


L-55 A


L-55 B


L-55 a



L-56 A



L-56 a



L-56 C



L-56 B



L-56 D



L-57 A



L-57 B



L-57 D



L-58 A



L-58 B



L-58 E



L-57 a



L-58 a



L-59 A



L-59 B



L-59 E



L-60 A



L-60 A bis



L-59 a



L-60 a



L-60 B


L-61 A


L-61 A bis

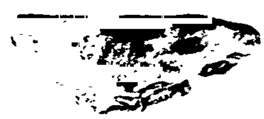

L-61 a


L-61 C


L-61 F


L-61 B


L-61 D


L-61 E


L-62 A


L-62 A bis


L-62 C


L-62 D


L-62 B


L-62 F

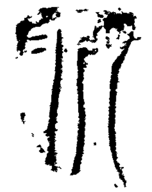

L-62 E


L-62 a


L-63 A


L-63 a


L-64 A


L-64 a


L-65 A


L-65 a


L-65 F


L-65 C


L-65 E



L-66 A



L-66 A bis



L-66 B



L-66 C



L-66 D



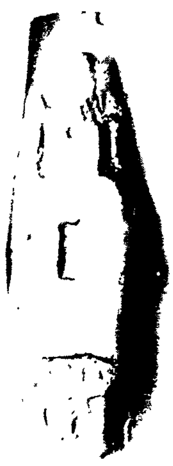
L-66 E



L-66 F



L-66 a



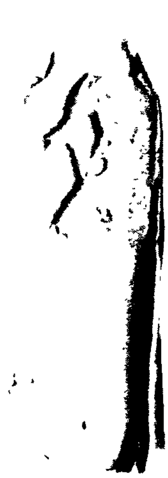
L-66 c



L-66 d

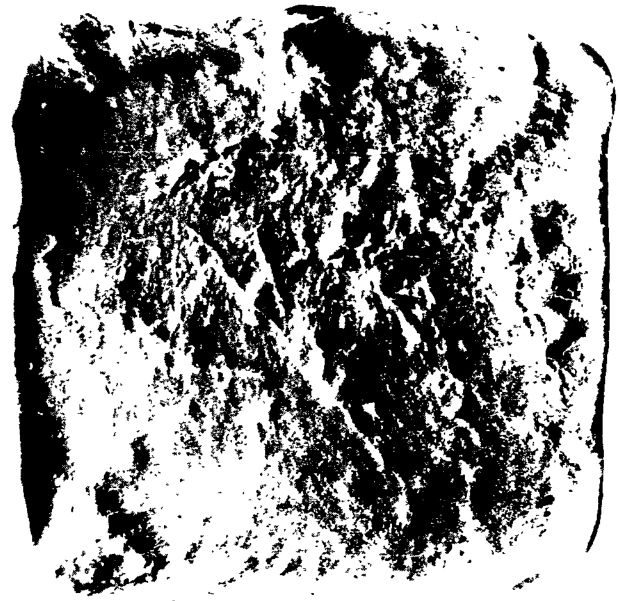


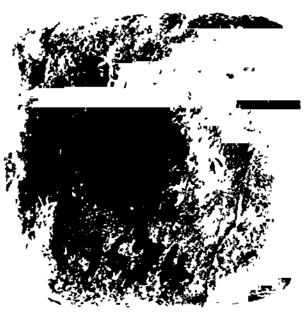
L-66 e



L-66 f

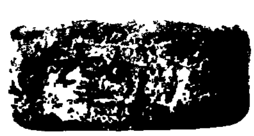

L-67 A


L-67 a


L-67 B


L-68 A

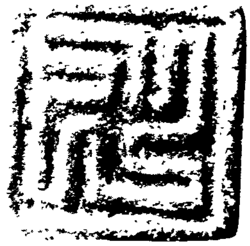

L-68 B


L-68 E


L-68 a


L-69 A (50%)


L-69 B (25%)


L-70 A


L-70 a


L-71 A (50%)

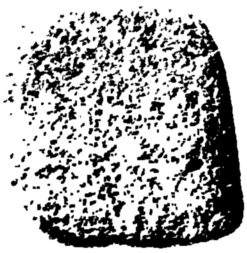

L-72 A (50 %)


L-73 A


L-73 a

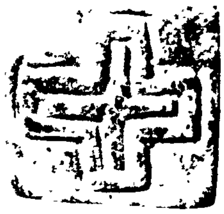

L-73 C


L-73 B

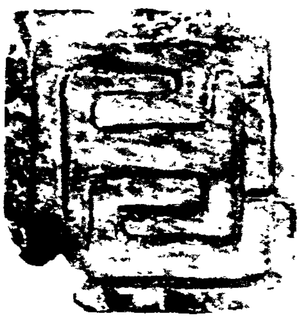

L-74 A

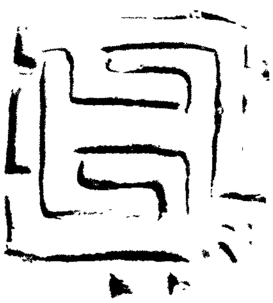

L-74 D

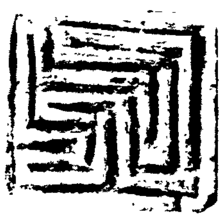

L-74 B

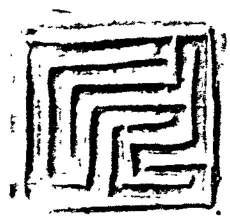

L-75 A


L-75 a


L-76 A


L-76 a


L-77 A


L-77 a



L-78 A



L-78 A bis



L-78 a



L-78 B



L-78 D



L-79 A



L-79 A bis



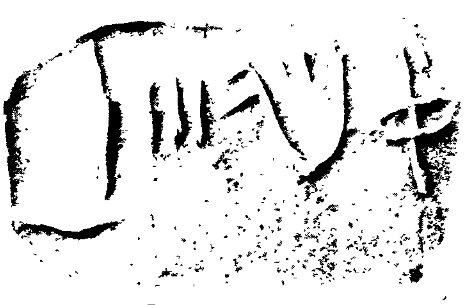
L-79 C



L-79 F



L-79 B



L-79 a



L-79 E


L-80 A


L-80 C


L-80 B


L-80 E


L-80 a


L-81 A


L-81 a


L-81 C


L-81 E

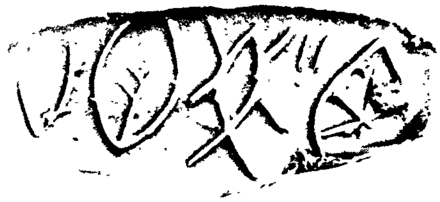

L-82 A


L-82 a


L-82 C


L-82 B


L-83 A


L-83 a


L-83 C


L-84 A


L-84 C


L-84 B


L-84 E

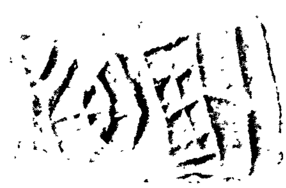

L-84 a


L-85 A

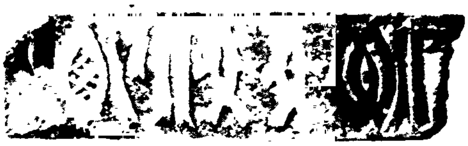

L-85 a


L-85 C


L-86 A


L-86 a


L-86 C


L-87 A


L-87 C


L-88 A


L-87 a


L-87 E


L-88 a


L-89 A

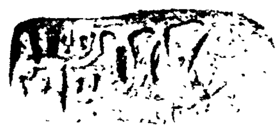

L-90 A

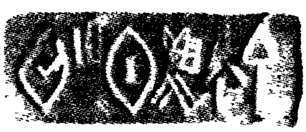

L-91 A


L-91 C

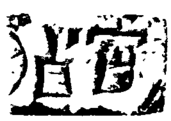

L-89 a


L-90 a

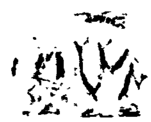

L-91 a


L-92 A


L-92 A bis


L-93 A

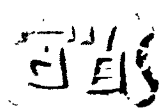

L-93 C

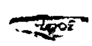

L-94 A


L-94 C

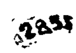

L-92 E


L-92 a


L-93 a


L-93 E


L-94 a


L-94 E



L-95 A



L-95 C



L-95 a



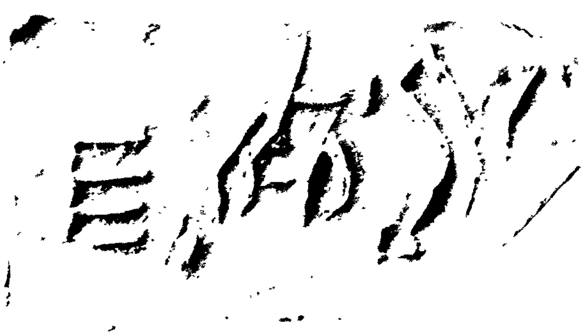
L-95 B



L-96 A



L-96 C



L-96 a



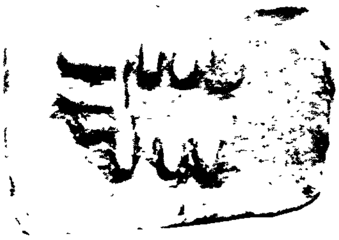
L-96 B


L-97 A


L-97 C


L-98 A


L-98 B


L-97 a


L-97 B

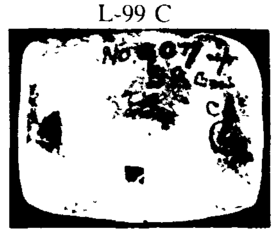

L-98 a


L-98 E


L-99 A


L-99 a


L-99 C


L-99 B


L-100 A


L-100 a


L-100 C

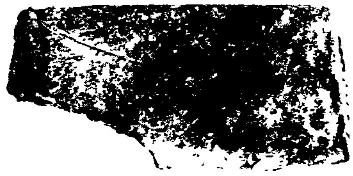

L-100 B



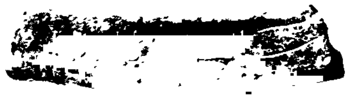
L-101 A



L-101 C



L-101 B



L-101 E



L-102 A



L-102 C



L-102 a



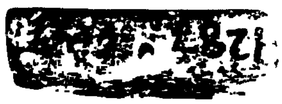
L-102 F



L-102 B



L-102 D



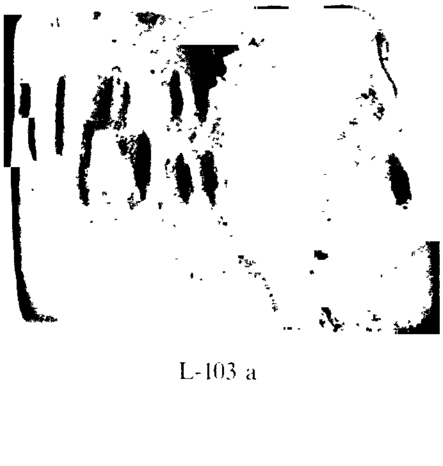
L-102 E



L-103 C



L-103 A



L-103 a



L-103 B



L-103 E



L-104 A



L-104 C



L-104 F



L-104 B



L-104 D



L-104 E



L-104 a



L-105 A



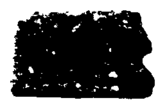
L-105 a



L-105 B



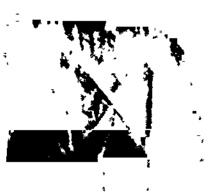
L-105 C



L-105 E



L-106 C



L-106 A



L-106 a



L-106 F



L-106 B



L-106 D



L-106 E



L-107 A



L-107 C



L-107 B



L-107 a



L-108 A



L-108 C



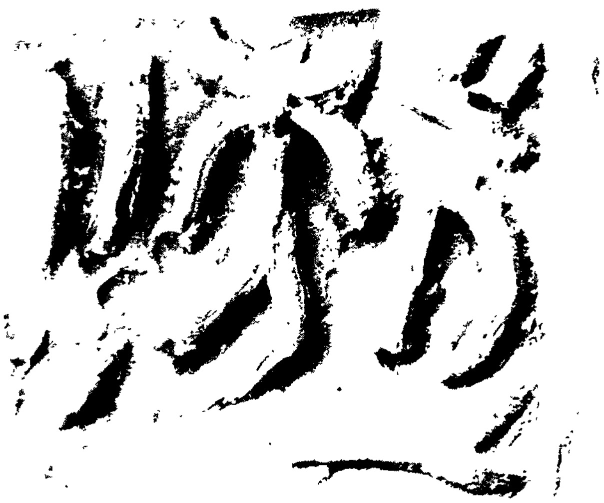
L-108 B



L-108 a



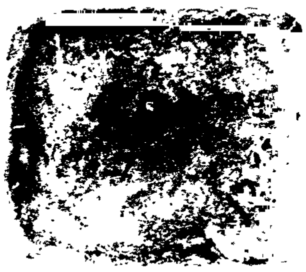
L-109 A



L-109 a



L-109 C

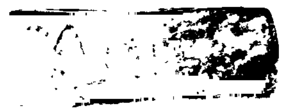


L-109 B

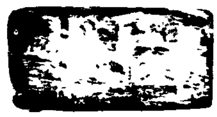

L-110 A


L-110 a


L-110 B


L-110 E


L-111 A

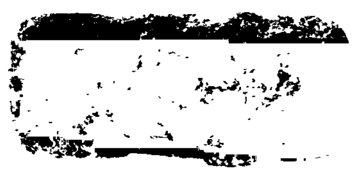

L-111 C


L-111 B


L-111 a


L-112 A


L-112 C


L-112 B


L-112 a


L-112 E

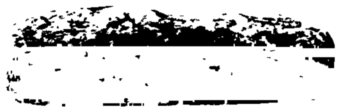

L-113 A


L-113 a


L-113 B


L-113 E


L-114 A


L-114 C

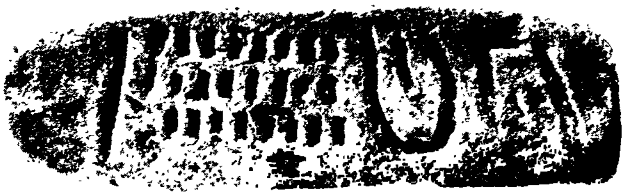

L-114 F


L-114 B


L-114 D

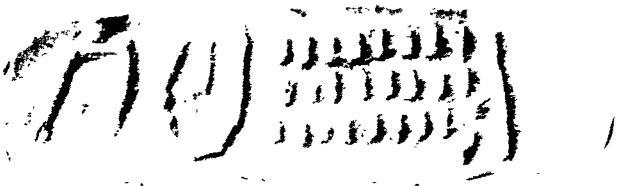

L-114 a


L-114 E

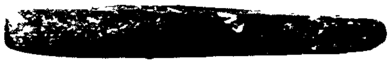

L-115 A


L-115 B

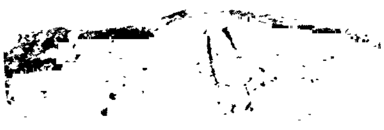

L-115 D

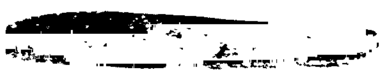

L-115 a


L-115 E


L-116 C


L-116 A


L-116 B

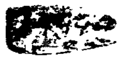

L-116 E



L-117 A



L-117 a



L-117 C



L-117 B



L-118 C



L-118 A



L-118 a



L-118 F



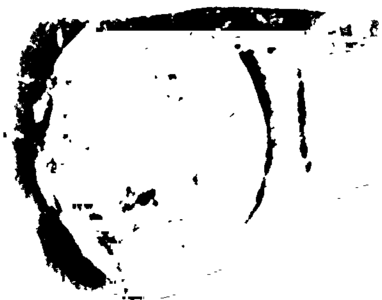
L-118 B



L-118 D



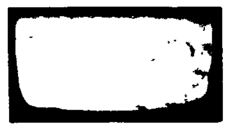
L-118 E



L-119 A



L-119 a



L-119 C



L-119 B



L-120 A



L-120 a



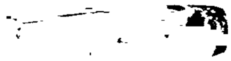
L-121 A



L-121 a



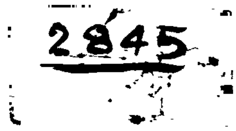
L-122 A



L-122 C



L-122 F



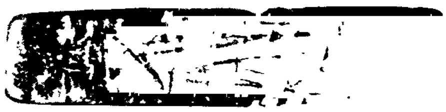
L-122 B



L-122 D



L-122 a



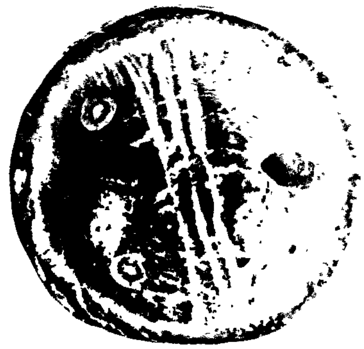
L-122 E



L-123 A



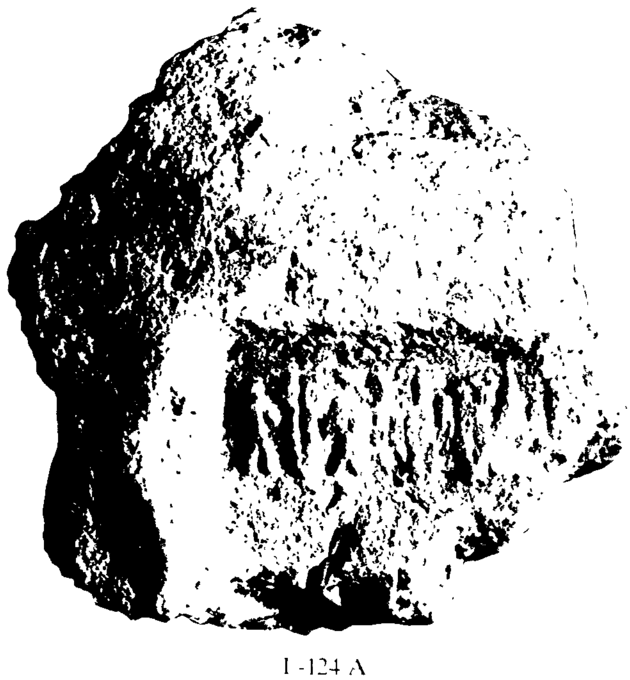
L-123 a



L-123 B



L-123 C



L-124 A



L-124 B



L-125 A



L-126 A



L-127 A



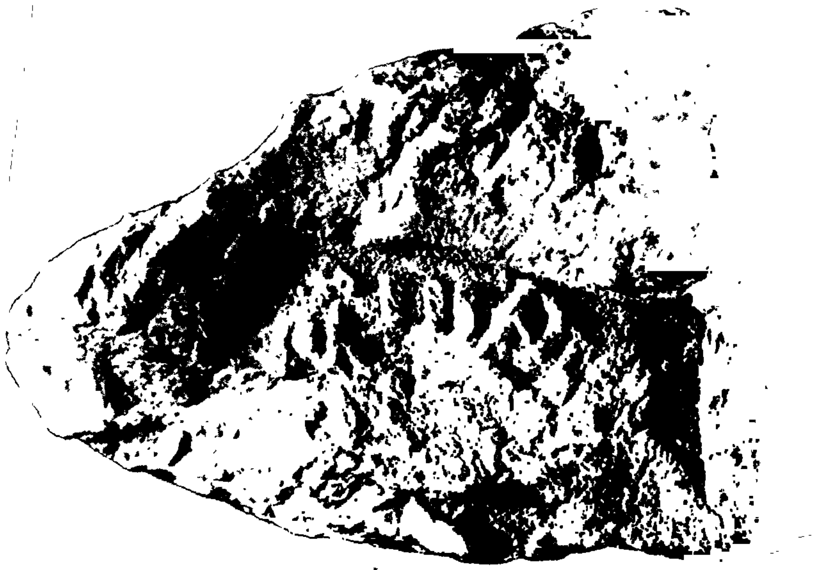
L-128 A



L-129 A



L-129 A bis



L-130 A



L-131 A



L-132 A



L-133 A



L-135 A



L-134 A



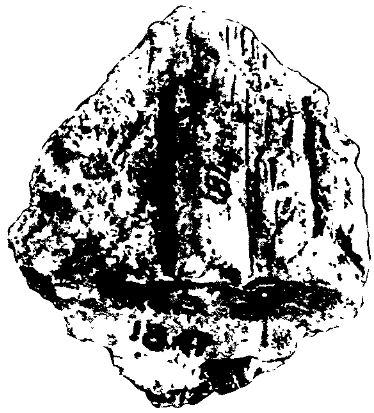
L-136 A



L-137 A



L-138 A



L-138 B



L-139 A



L-140 A



L-141 A



L-141 A bis



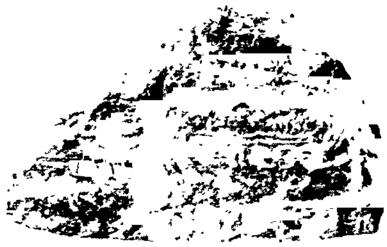
L-142 A



L-142 B



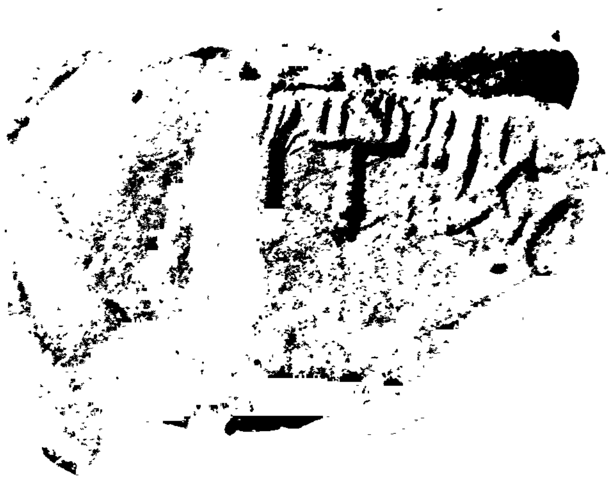
L-143 A



L-143 B



L-144 A



L-145 A



L-146 A



L-146 B



L-147 A



L-148 A



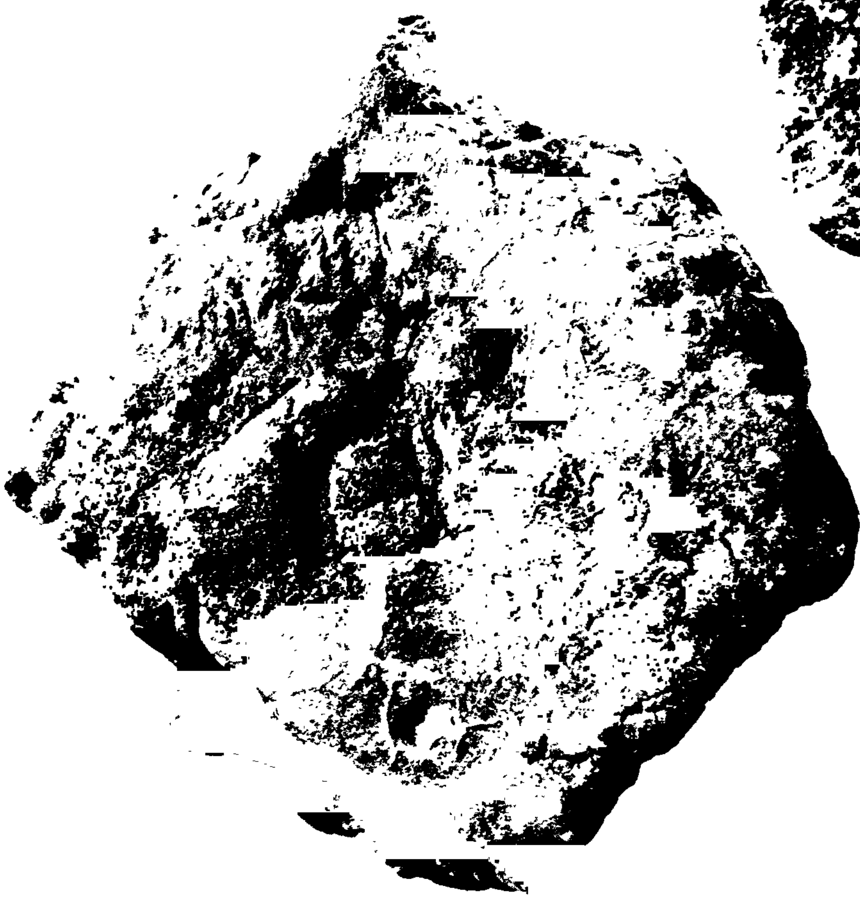
L-149 A



L-150 A



L-151 A



L-152 A



L-153 A



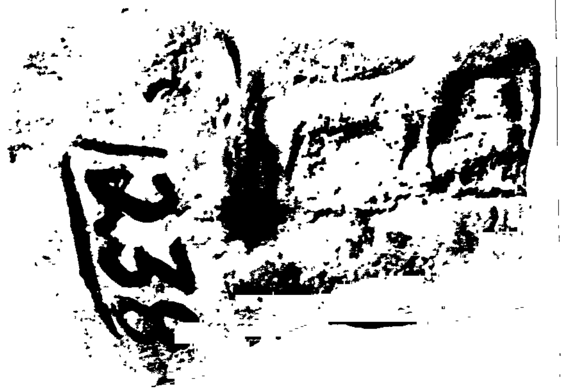
L-154 A



L-154 a



L-155 A



L-156 A



L-157 A



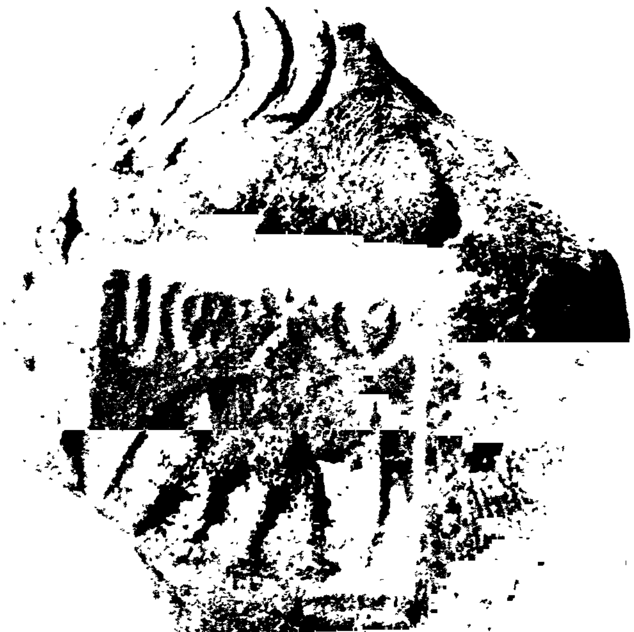
L-158 A



L-159 A



L-160 A



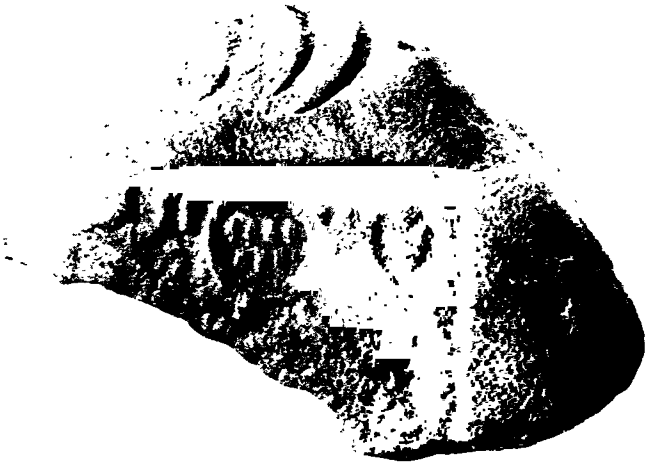
L-161 A



L-162 A



L-162 B



L-163 A



L-163 C



L-164 A



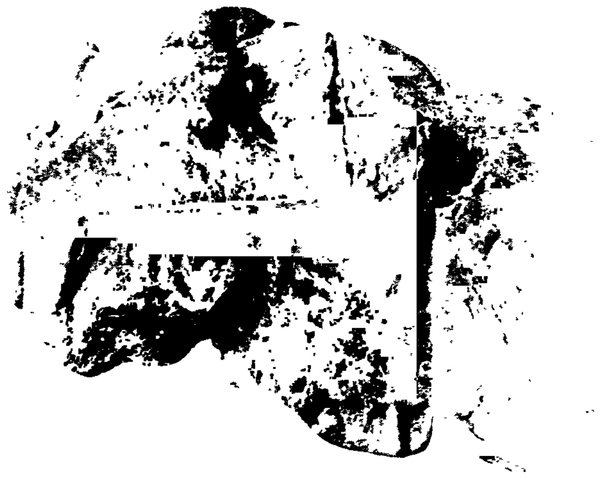
L-165 A



L-166 A



L-167 A



L-168 A



L-168 C



L-169 A



L-170 A



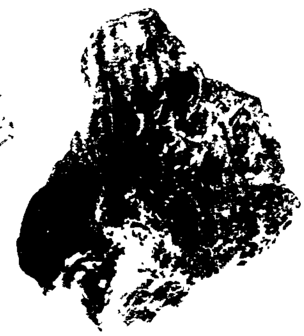
L-171 A



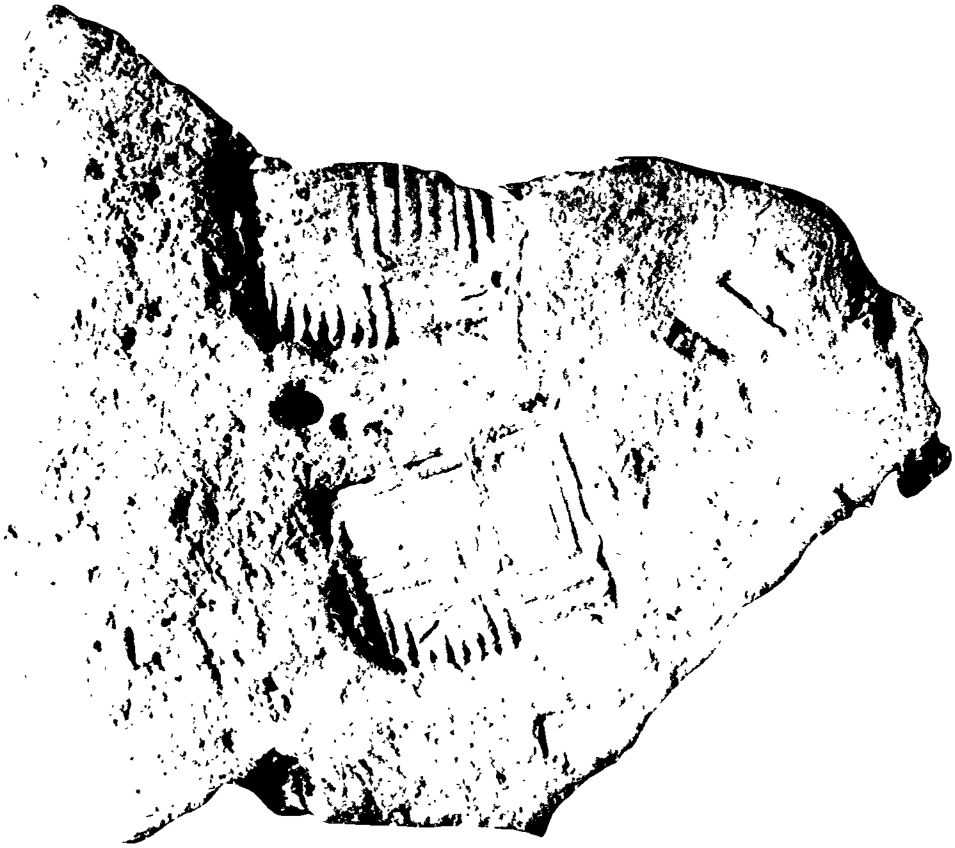
L-172 A



L-173 A



L-173 B



L-174 A



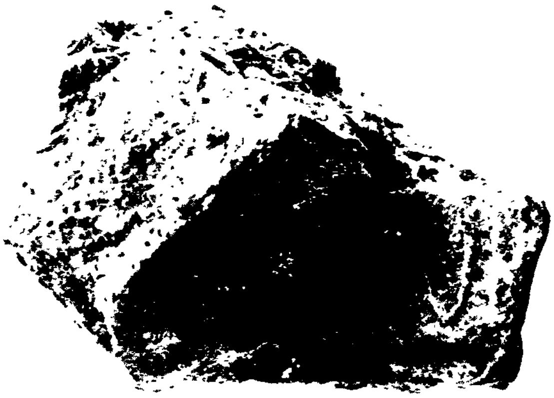
L-175 A



L-176 A



L-176 A bis



L-177 A



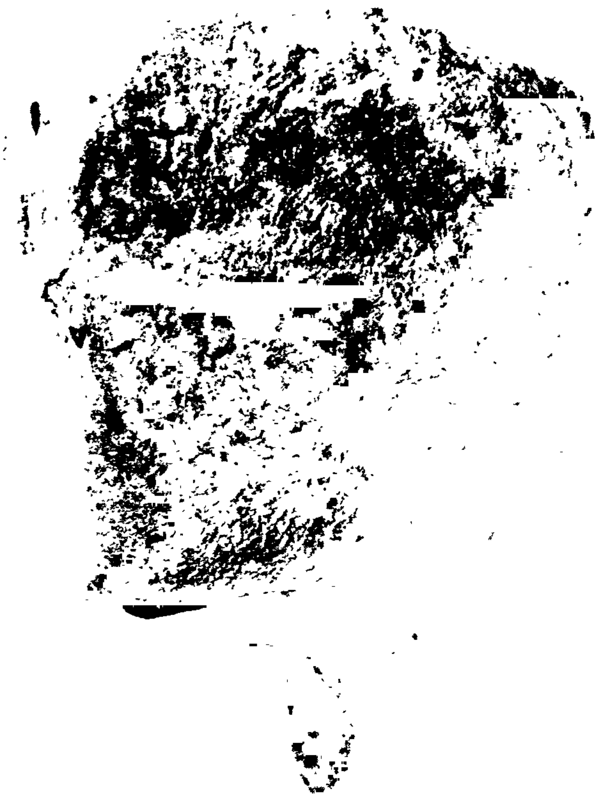
L-178 A



L-177 A bis



L-178 A bis



L-179 A



L-180 A



L-181 A



L-182 A



L-183 A



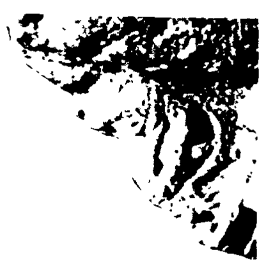
L-184 A



L-185 A



L-186 A



L-185 A bis



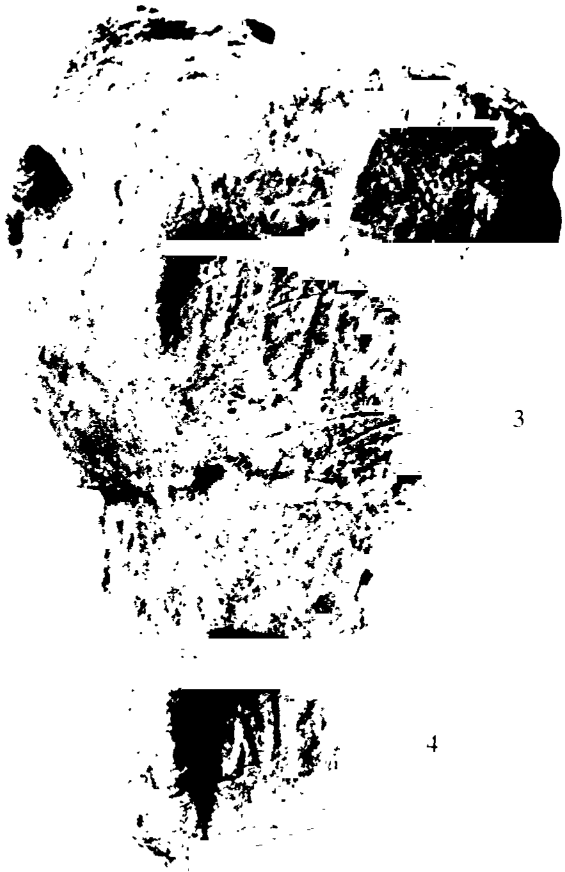
L-187 A



L-188 A



L-189 A 1-2



L-189 A 3-4



L-190 A 1-3



L-190 B



L-190 D



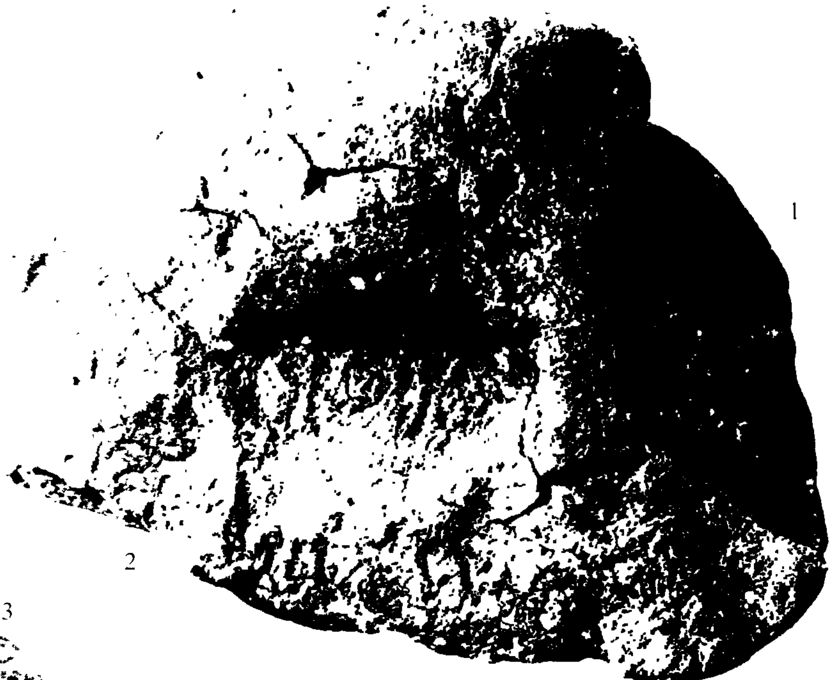
L-190 F



L-191 A 1-2



L-192 A 2 bis



L-192 A 1-2



L-193 A 3



L-193 A 1-2


1

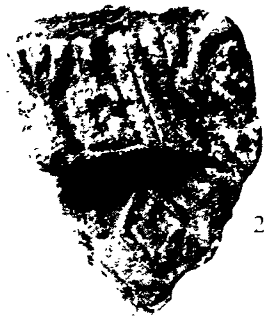
L-194 A 1


2

L-194 A 2


1
2

L-195 A 1-2


1
2

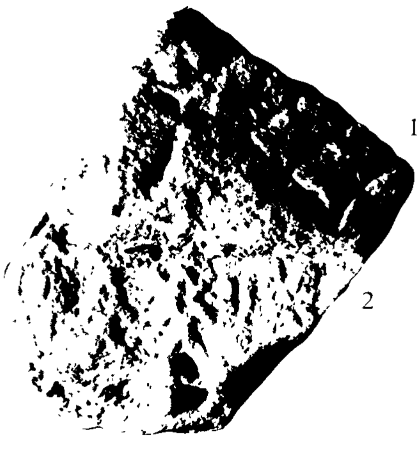
L-196 A 1-2


1
2

L-197 A 1-2


1
2

L-198 A 1-2


1
2

L-199 A 1-2

1



L-200 A 1



2

L-200 A 2

1



2

L-201 A 1-2

1



2

L-202 A 1-2

1



2

L-203 A 1-2



L-204 A



L-204 F



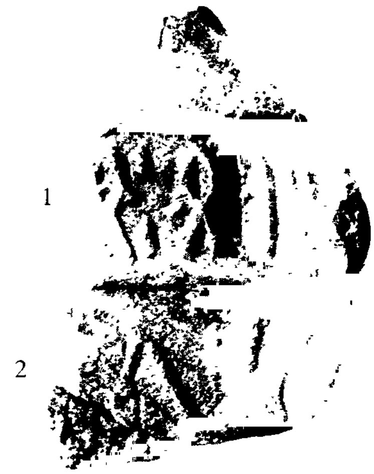
L-205 A 1-2



L-206 A 1-2



L-207 A 1-2



L-208 A 1-2



L-208 B



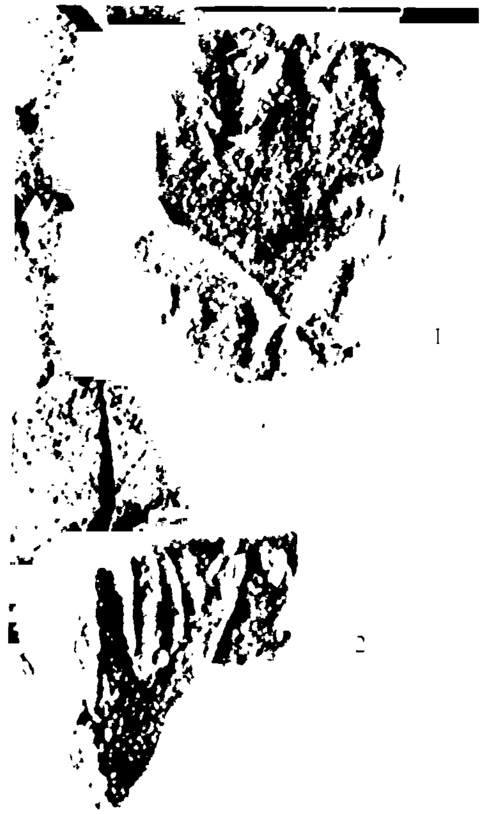
L-209 A 1-2



L-209 A 1-2 bis



L-210 A 1-2



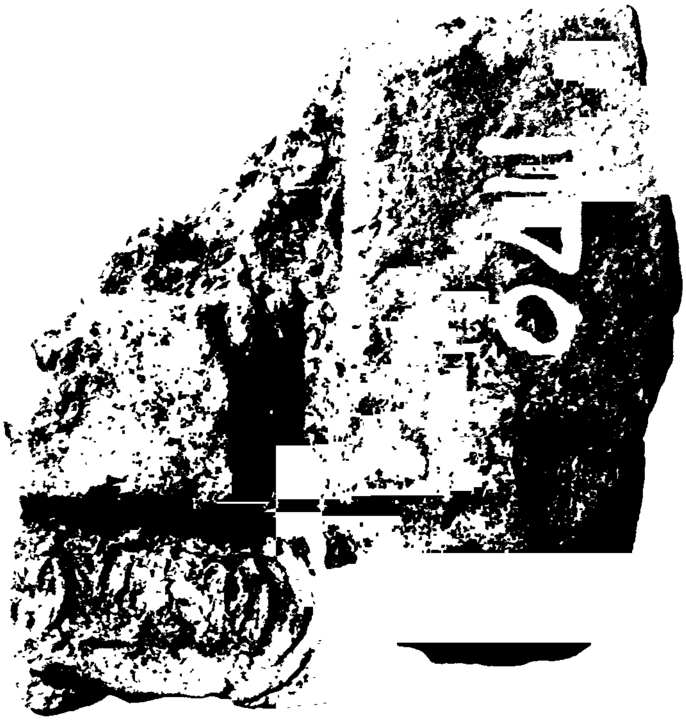
L-210 A 1-2 bis



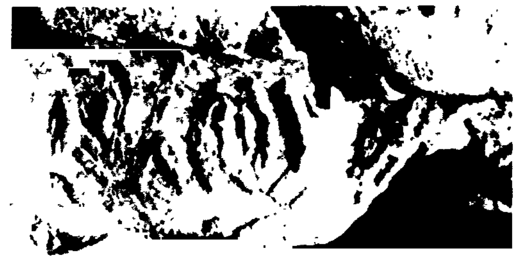
L-211 A 1-3



L-212 A 1-3



L-213 A 1-2



L-213 A 2 bis



L-214 A 1-2



L-215 A 1-4



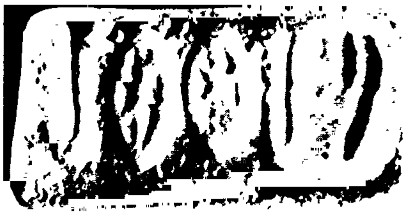
L-216 D 1



L-216 D 2



L-216 E



L-217 A



L-217 B



L-218 A



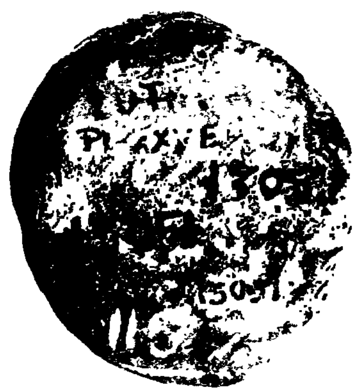
L-218 B



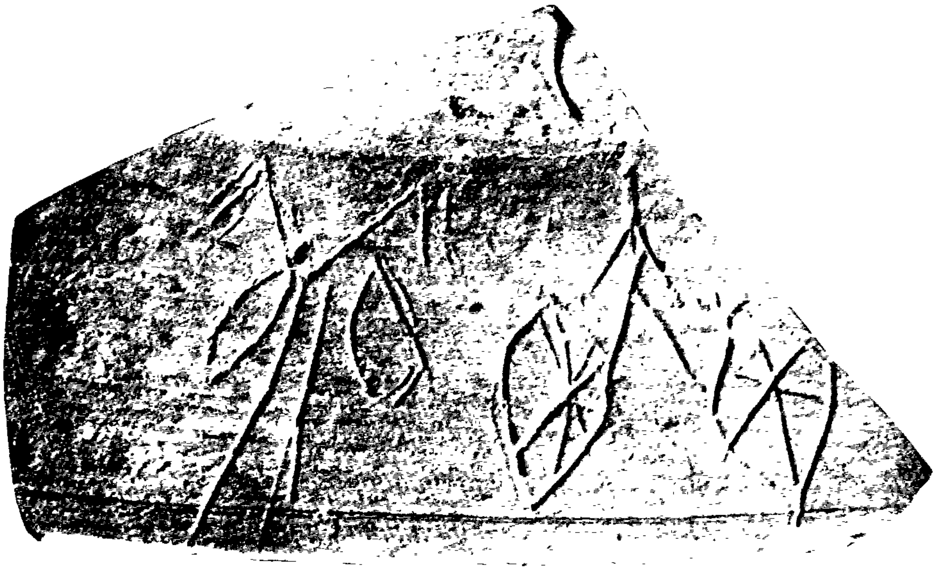
L-219 A



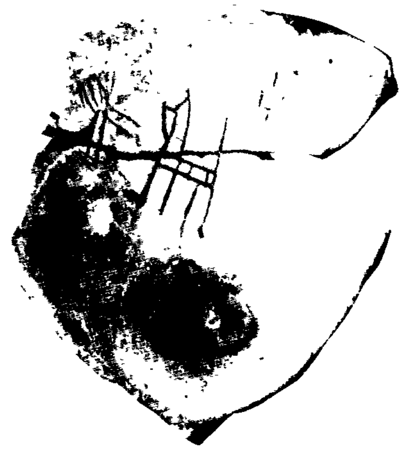
L-220 A



L-220 B



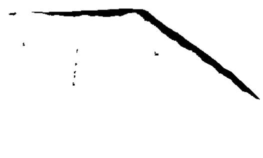
L-221 A (200 %)



L-223 A



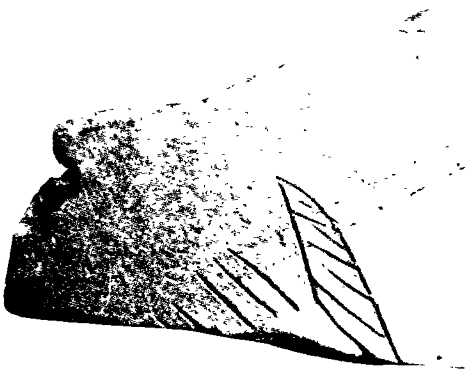
L-222 A



L-222 A bis



L-223 A bis



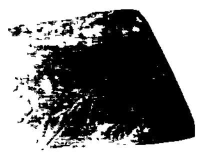
L-224 A



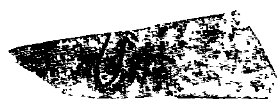
L-225 A



L-225 A bis



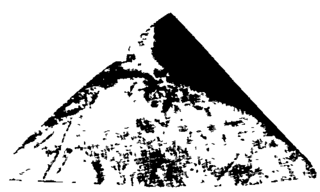
L-226 A



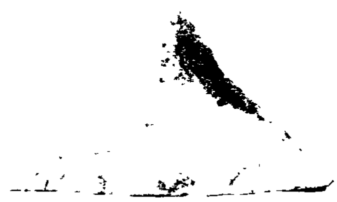
L-227 A



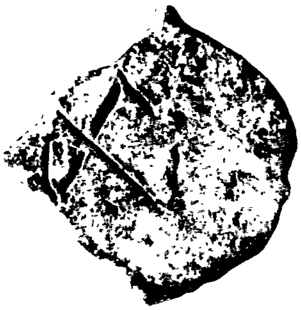
L-224 A bis



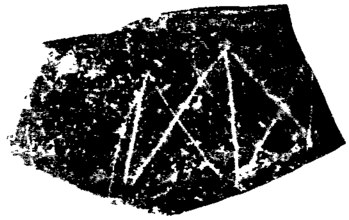
L-228 A



L-228 A bis



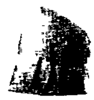
L-229 A



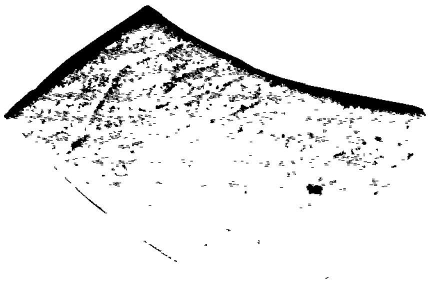
L-230 A



L-230 A bis



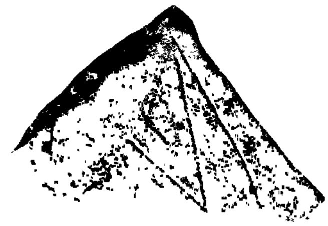
L-232 A



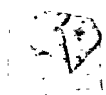
L-231 A



L-233 A



L-234 A



L-235 A



L-236 A bis



L-234 A bis



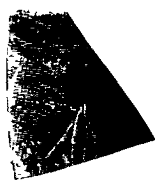
L-236 A



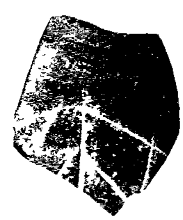
L-240 A



L-237 A



L-238 A



L-239 A



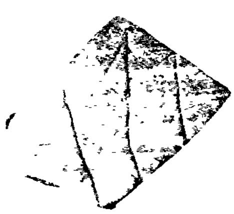
L-241 A



L-243 A



L-242 A



L-244 A



L-245 A



L-246 A



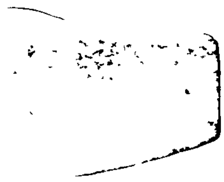
L-247 A



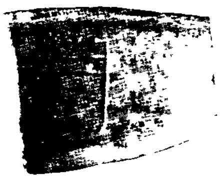
L-248 A



L-249 A



L-250 A



L-251 A



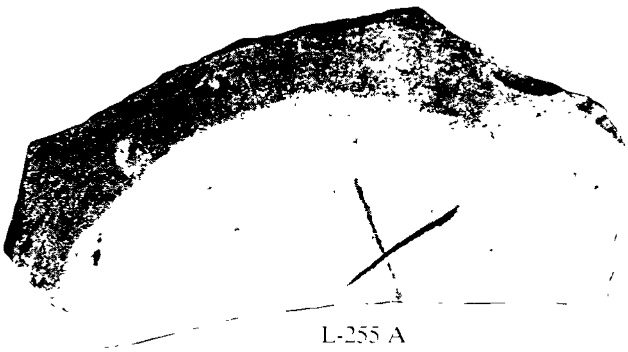
L-252 A



L-253 A



L-254 A



L-255 A



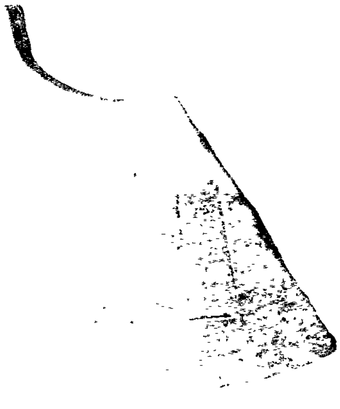
L-256 A



L-256 A bis



L-257 A



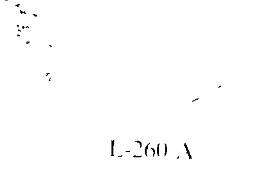
L-258 A



L-258 A bis



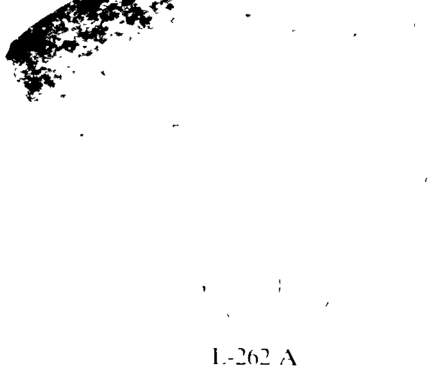
L-259 A



L-260 A



L-261 A



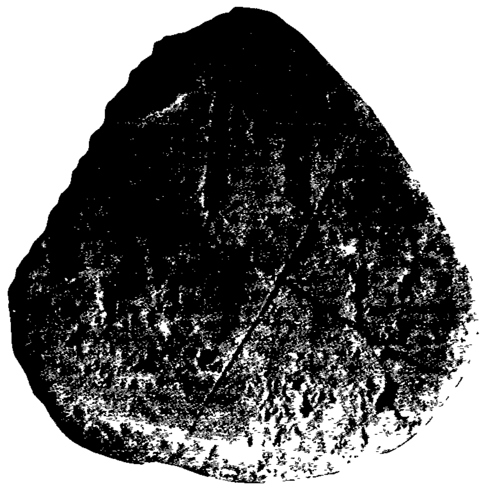
L-262 A



L-263 A



L-263 A bis



L-264 A



L-265 A



L-265 A bis



L-266 A



L-266 A bis



L-267 A



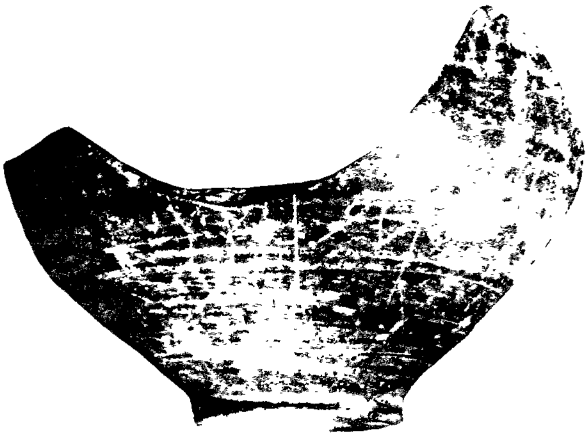
L-268 A (25 %)



L-269 A



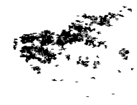
L-270 A



L-271 A



L-271 A bis



L-271 A ter



L-272 A



L-272 A bis



L-273 A



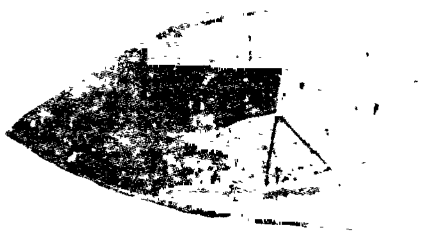
L-274 A



L-274 A bis



L-275 A



L-276 A

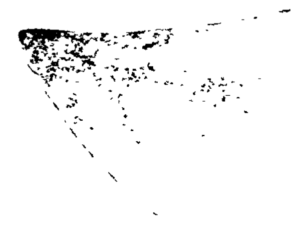


L-276 A bis


L-277 A


L-278 A

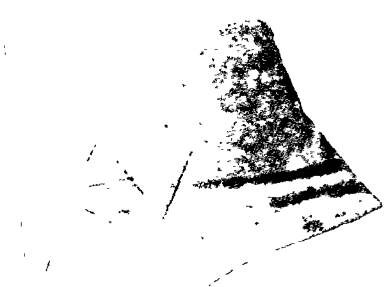

L-278 A bis

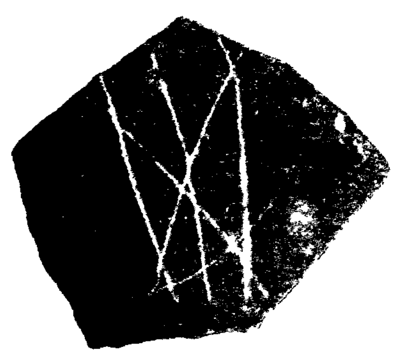

L-278 A ter


L-279 A


L-279 A bis


L-279 A ter


L-280 A


L-281 A


L-282 A


L-280 A bis


L-281 A bis

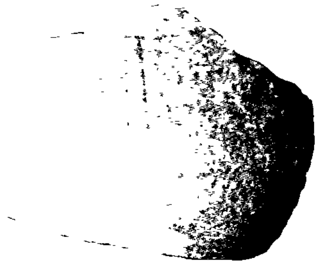

L-282 A bis



L-283 A



L-284 A



L-285 A



L-286 A



L-286 A bis



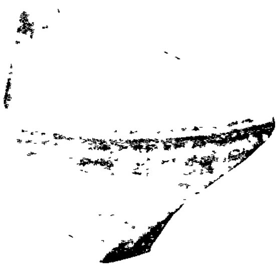
L-287 A



L-287 A bis



L-288 A



L-289 A



L-290 A

Kalibangan



K-1 A



K-1 a



K-2 a



K-2 A



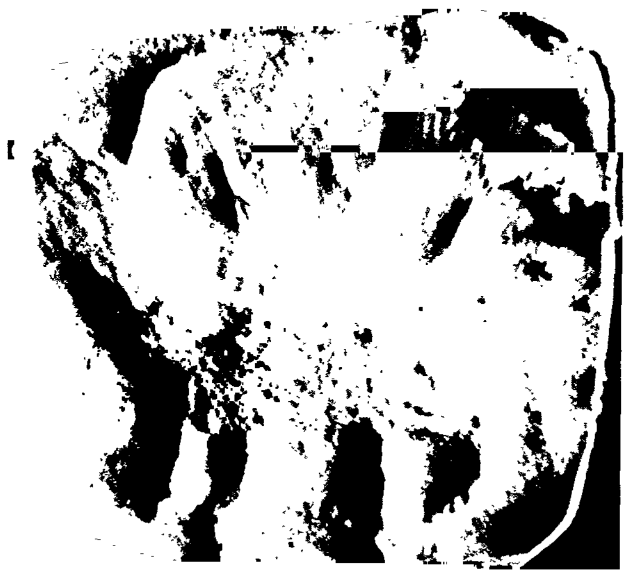
K-2 a bis



K-3 A



K-3 A bis



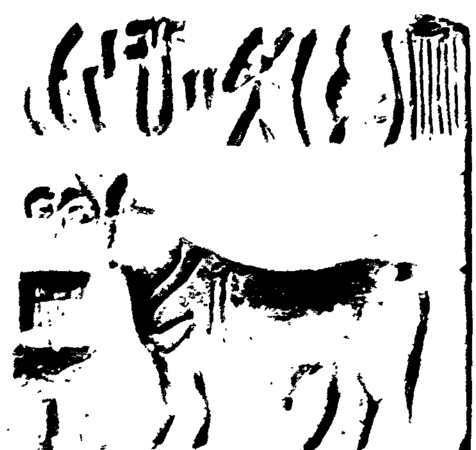
K-3 a



K-3 C



K-3 B



K-4 A



K-4 a


K-5 A


K-6 A


K-6 C

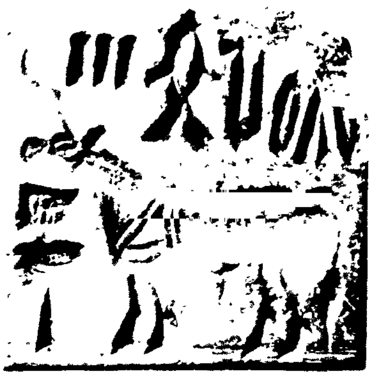

K-6 B


K-5 a


K-6 a


K-6 D


K-7 A


K-8 A


K-9 A


K-7 a


K-8 a


K-9 a


K-10 A


K-11 A


K-12 A


K-10 a


K-11 a


K-12 a


K-13 A


K-14 A


K-15 A


K-13 a


K-14 a


K-15 a



K-16 A



K-17 A



K-18 A



K-16 a



K-17 a



K-18 a



K-19 A



K-20 A



K-21 A



K-19 a



K-20 a



K-21 a


K-22 A


K-23 A

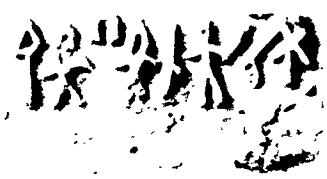

K-24 A


K-22 a


K-23 a


K-24 a


K-25 A


K-25 a


K-26 A


K-27 A


K-27 B


K-27 a


K-28 A


K-28 a


K-29 A


K-29 a


K-29 C


K-29 F


K-29 B


K-30 A


K-30 a


K-31 A


K-31 a


K-31 F

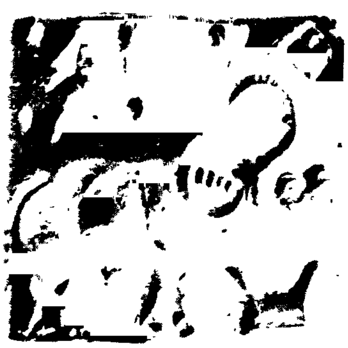

K-31 B


K-32 A


K-33 A


K-34 A


K-32 a


K-33 a

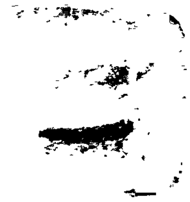

K-34 a

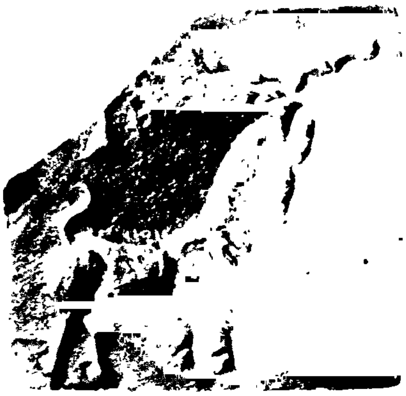

K-34 B


K-35 A


K-35 B


K-36 A


K-36 B


K-35 a


K-36 a


K-37 A


K-37 a


K-37 B


K-38 A


K-39 A


K-39 a


K-40 A


K-40 a


K-39 C


K-39 B



K-41 A



K-41 a



K-42 A



K-43 A



K-44 A



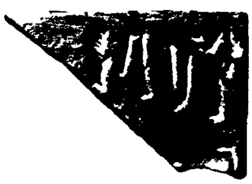
K-42 a



K-43 a



K-44 a



K-45 A



K-45 a



K-46 A



K-46 a



K-46 C



K-46 B



K-46 D


K-47 A (400 %)


K-47 A bis (400 %)

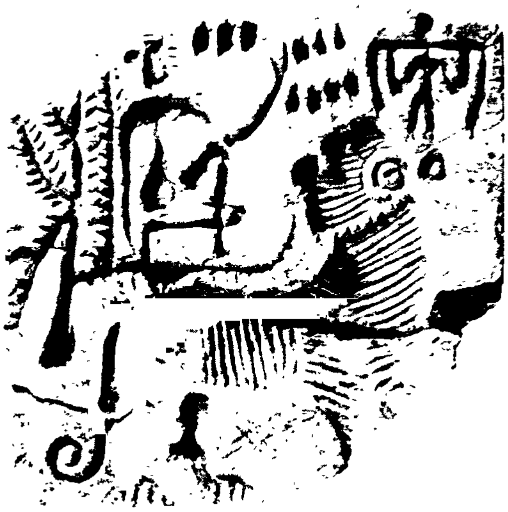

K-47 a


K-47 C


K-47 B


K-47 D


K-48 A


K-49 A


K-49 a


K-50 A


K-50 a


K-50 C

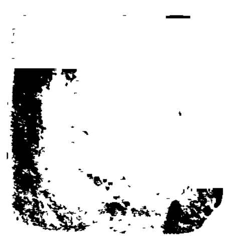


K-50 B


K-50 D


K-51 A


K-51 a

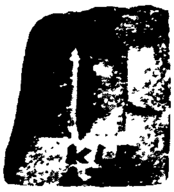

K-51 B


K-51 E


K-52 A


K-52 A bis


K-52 a

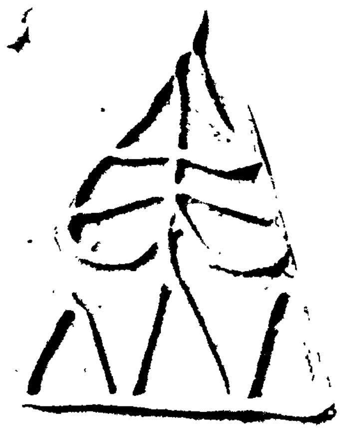

K-52 B


K-52 D


K-53 F


K-53 B

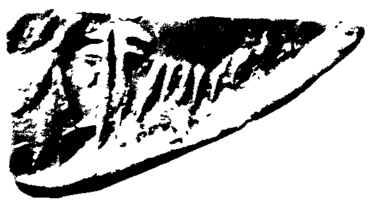

K-53 A


K-53 a


K-54 A


K-54 A bis


K-55 A


K-55 a


K-54 a


K-54 C


K-54 B


K-54 D


K-55 C


K-55 B


K-55 D



K-56 A



K-56 a



K-56 B



K-56 D



K-57 A



K-57 C



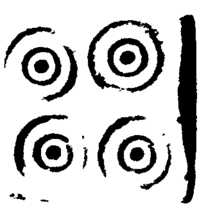
K-57 a



K-57 B



K-57 D



K-58 A



K-58 C



K-59 A



K-59 B



K-58 a



K-58 B



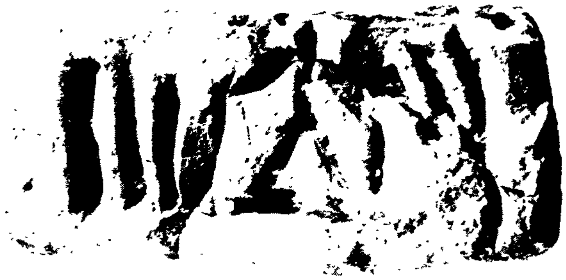
K-58 D



K-59 a

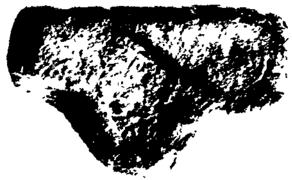


K-59 E


K-60 A


K-60 a


K-60 B


K-60 E


K-61 A


K-61 a


K-61 C

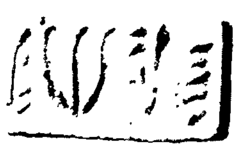

K-61 B

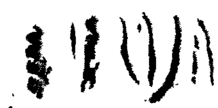

K-62 A


K-62 a


K-62 C


K-62 B


K-63 A


K-63 a


K-63 C


K-63 B


K-64 A

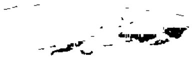

K-64 a


K-64 C


K-64 F


K-64 B


K-64 D


K-64 E


K-65 A 1


K-65 A 2

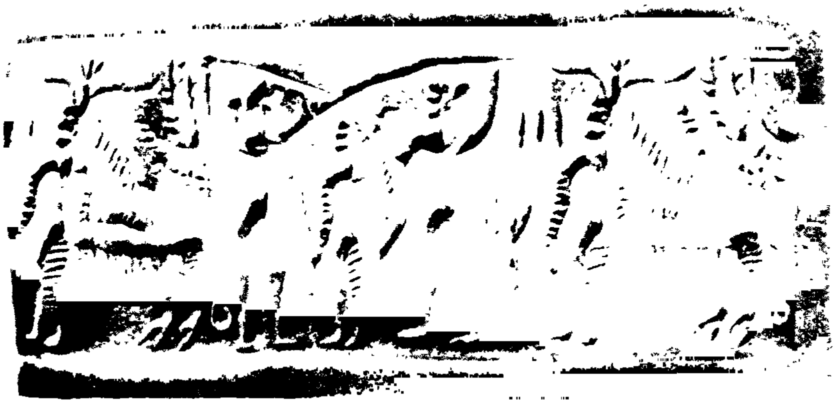

K-65 A 3


K-65 A 4


K-65 A 5


K-65 A 6


K-65 A 7


K-65 a


K-65 E


K-65 A 8

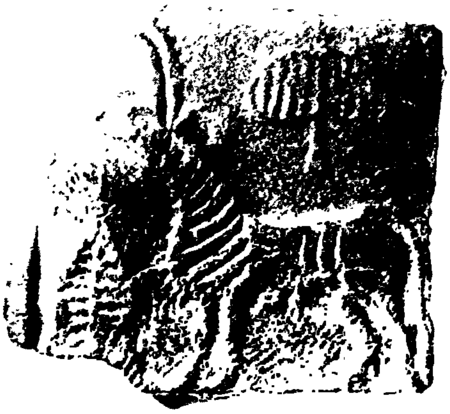

K-65 A 9



K-66 A



K-66 B



K-67 A



K-67 C



K-67 B



K-67 D



K-67 E



K-68 A



K-68 B



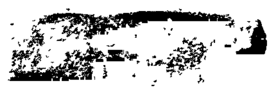
K-68 C



K-68 D



K-69 A



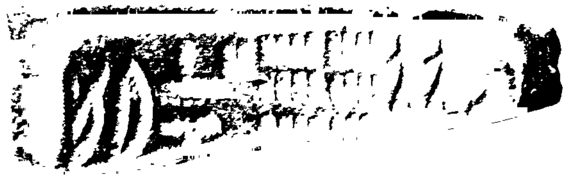
K-69 B

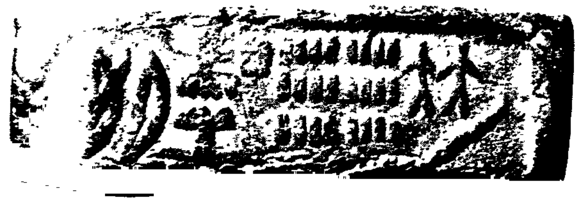


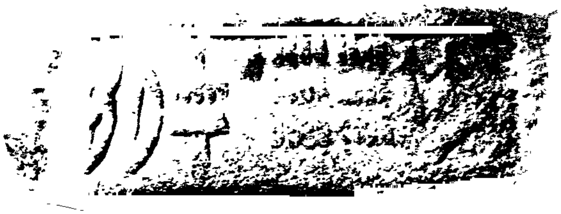
K-70 A

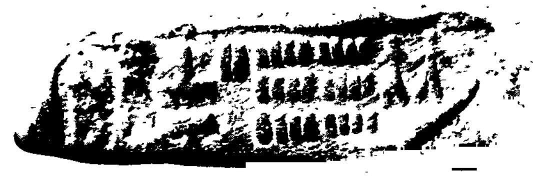


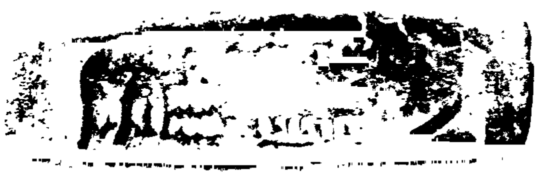
K-70 B


K-71 A


K-72 A

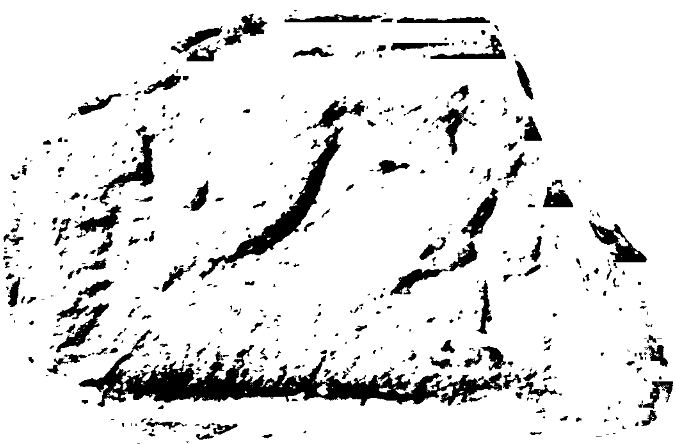

K-73 A


K-74 A


K-75 A


K-76 B


K-76 b


K-76 A (400 %)


K-76 a


K-76 F


K-77 C


K-77 A


K-77 B


K-77 D


K-78 A


K-78 B

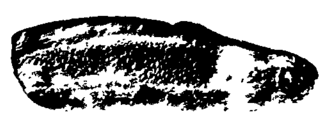

K-78 C


K-79 A


K-79 B

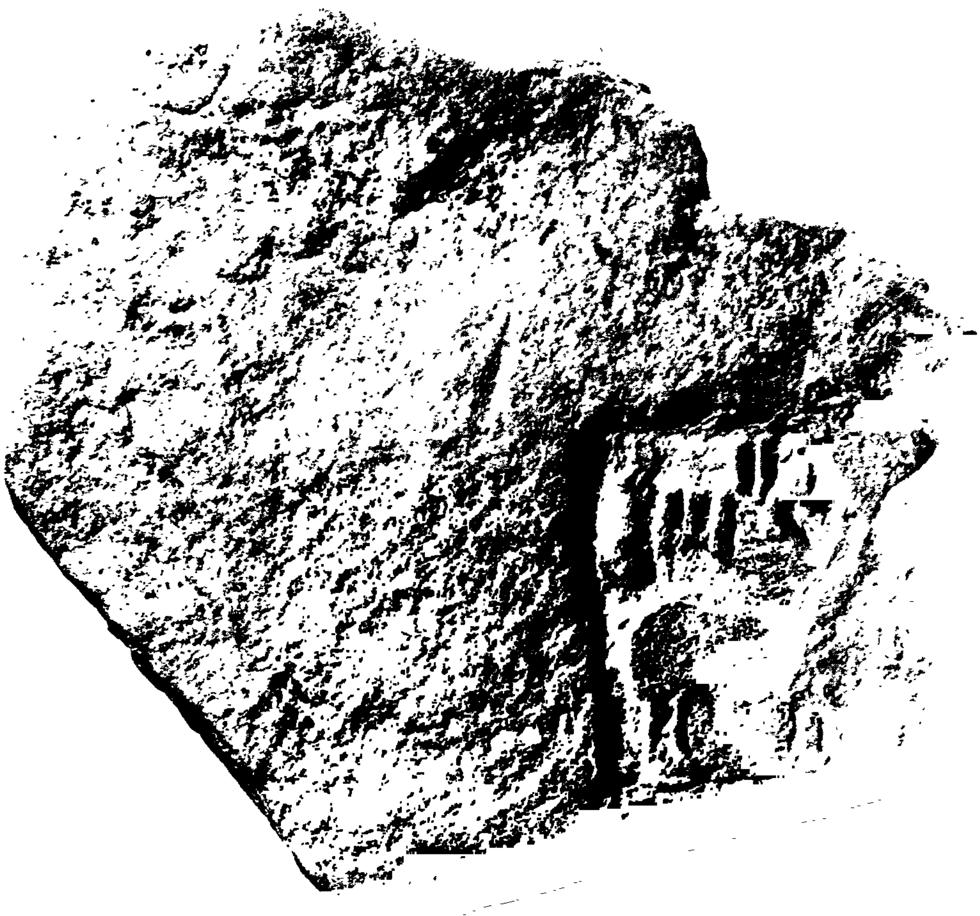

K-80 A


K-81 A


K-81 C


K-80 B

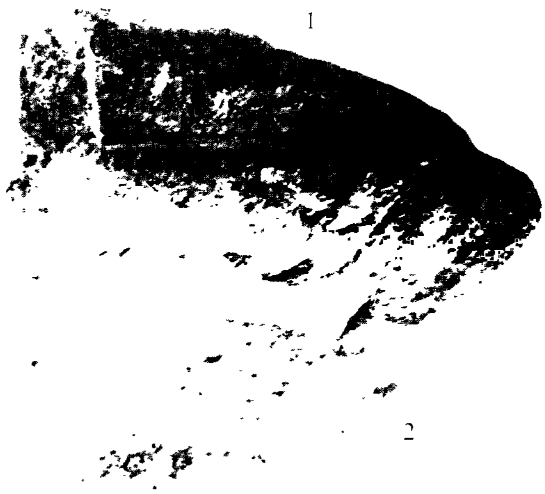

K-81 B



K-82 A



K-83 A 1-2



K-84 A 1-2



K-85 A 1-2



K-84 A 2



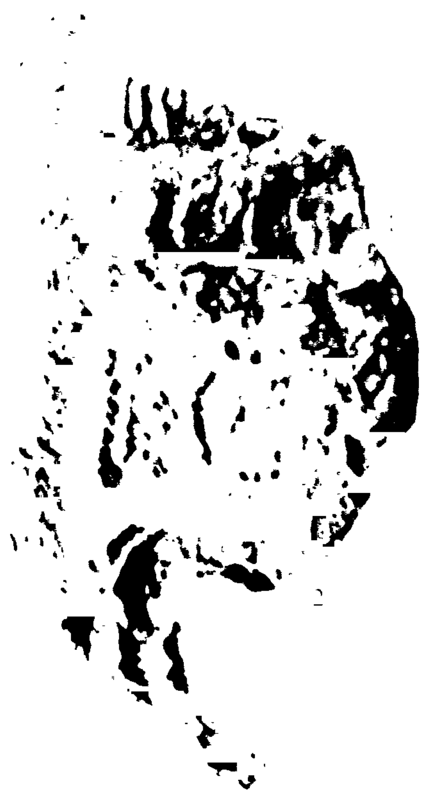
K-85 A 1-2 bis



K-86 A 1-4



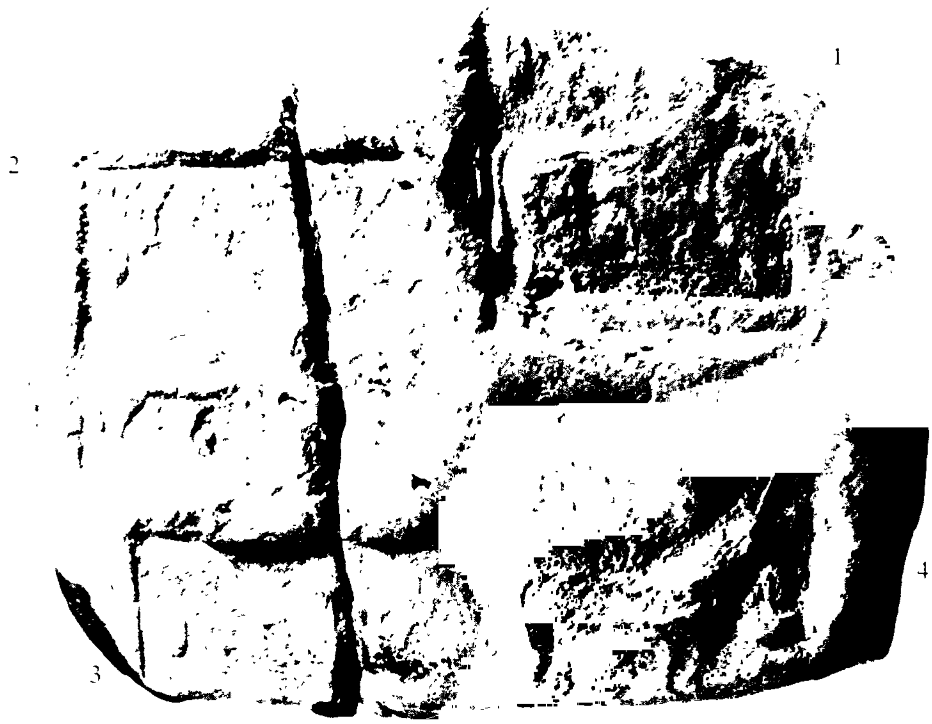
K-85 B



K-87 A 1-2



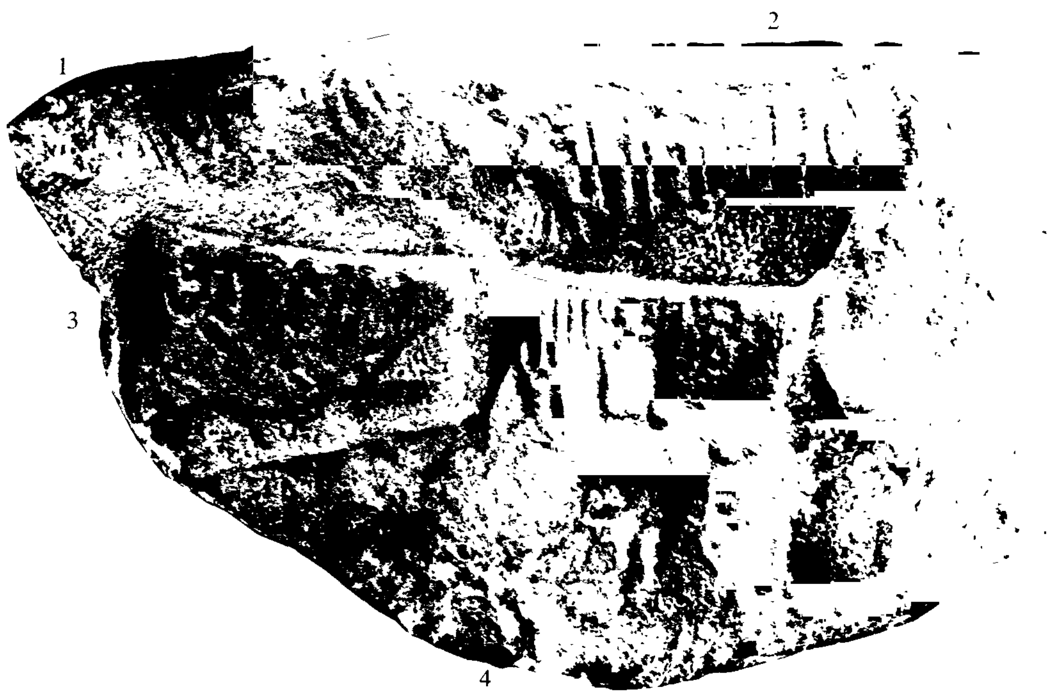
K-87 A 1-2 bis



K-88 A 1-4



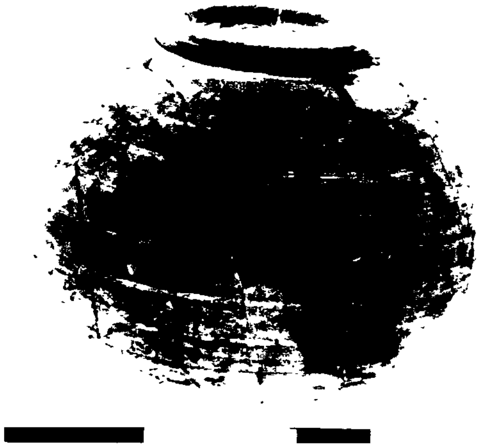
K-88 B



K-89 A 1-4



K-89 A 1-4 bis



K-90 A



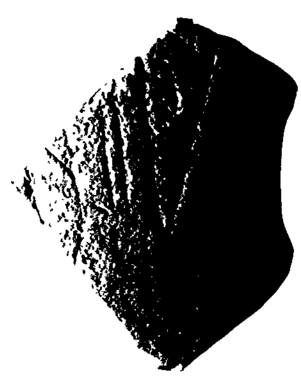
K-90 A 1 (100 %)



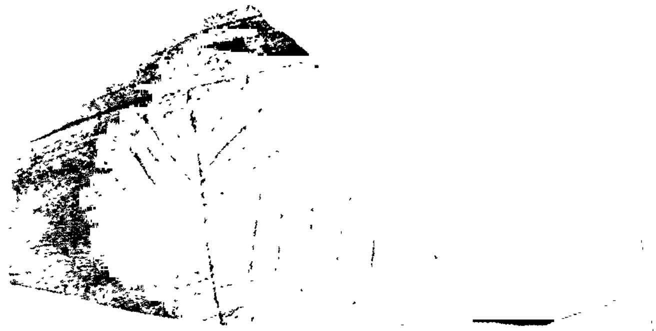
K-90 A 2 (100 %)



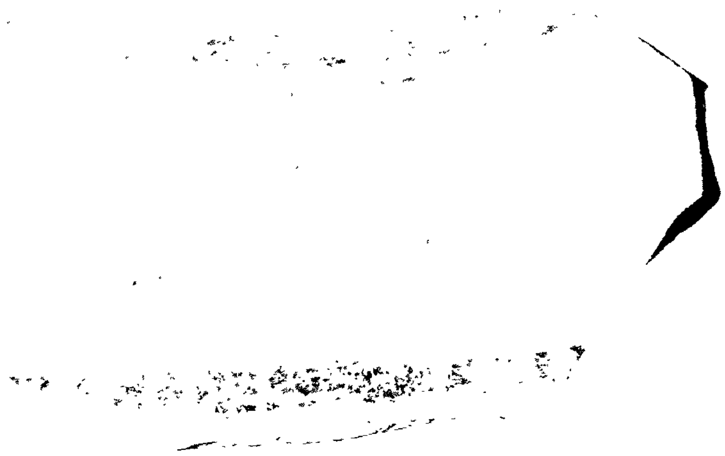
K-91 A (100 %)



K-92 A (50 %)



K-94 A (100 %)



K-93 A (100 %)



K-95 A (100 %)



K-96 A (100 %)



K-97 A (100 %)



K-98 A (100 %)



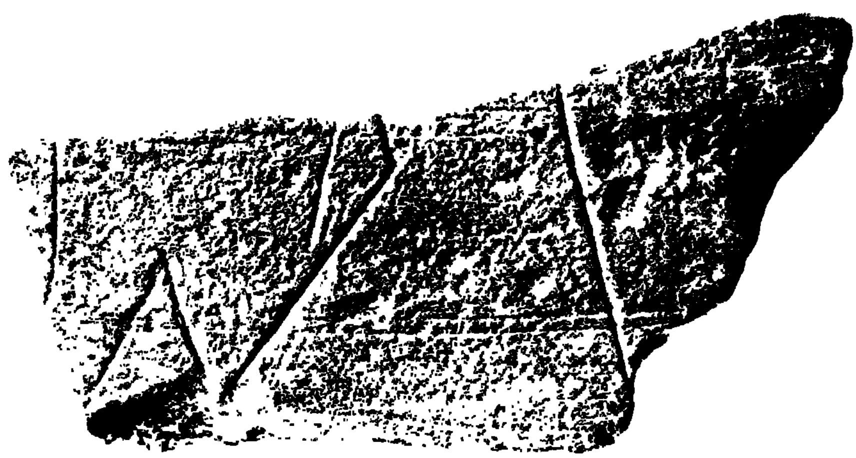
K-99 A (100 %)



K-100 A (100 %)



K-101 A (50 %)



K-102 A (100 %)



K-103 A (100 %)



K-104 A (50 %)



K-105 A (50 %)



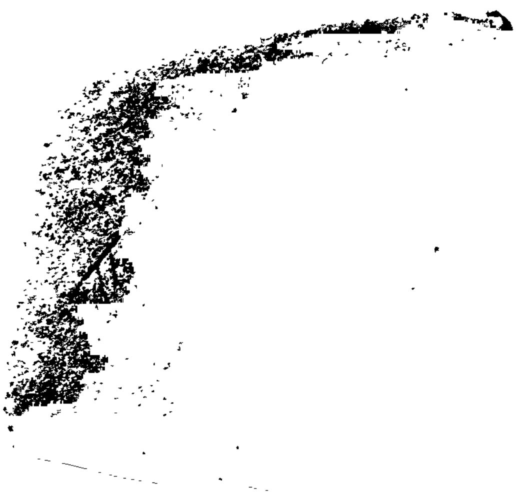
K-106 A (50 %)



K-107 A (100 %)



K-108 A (100 %)



K-109 A (100 %)



K-110 A (50 %)



K-111 A (100 %)



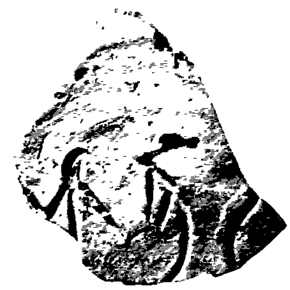
K-112 A (100 %)



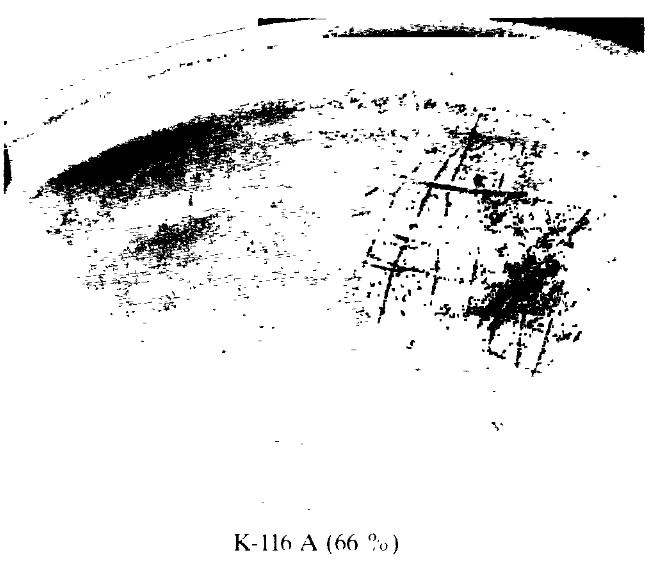
K-113 A (50 %)



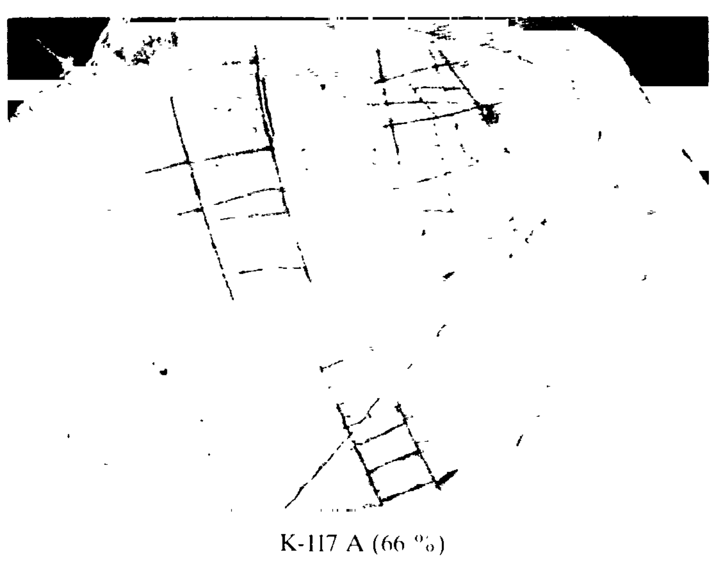
K-114 A (100 %)



K-115 A (50 %)



K-116 A (66 %)



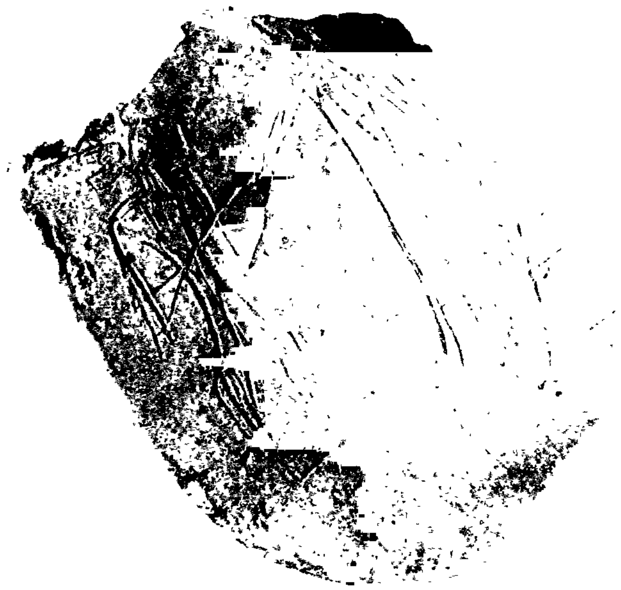
K-117 A (66 %)



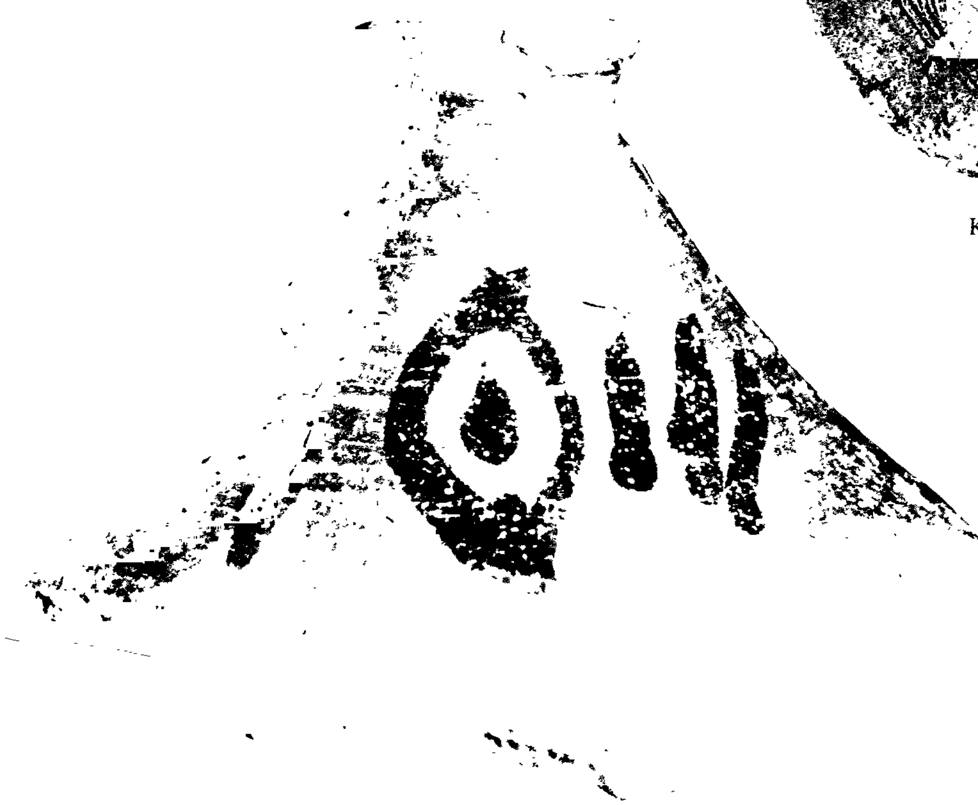
K-118 A (100 %)



K-119 A (100 %)



K-119 B (100 %)



K-120 A (200 %)



K-121 A
(100 %)



K-121 B
(100 %)



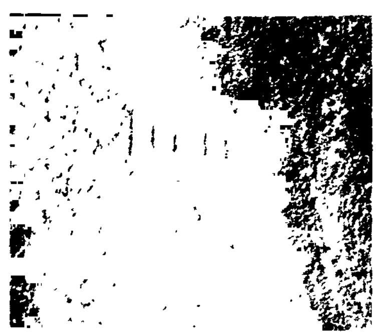
K-122 A (100 %)



K-122 B (100 %)



K-122 A (2) (200 %)

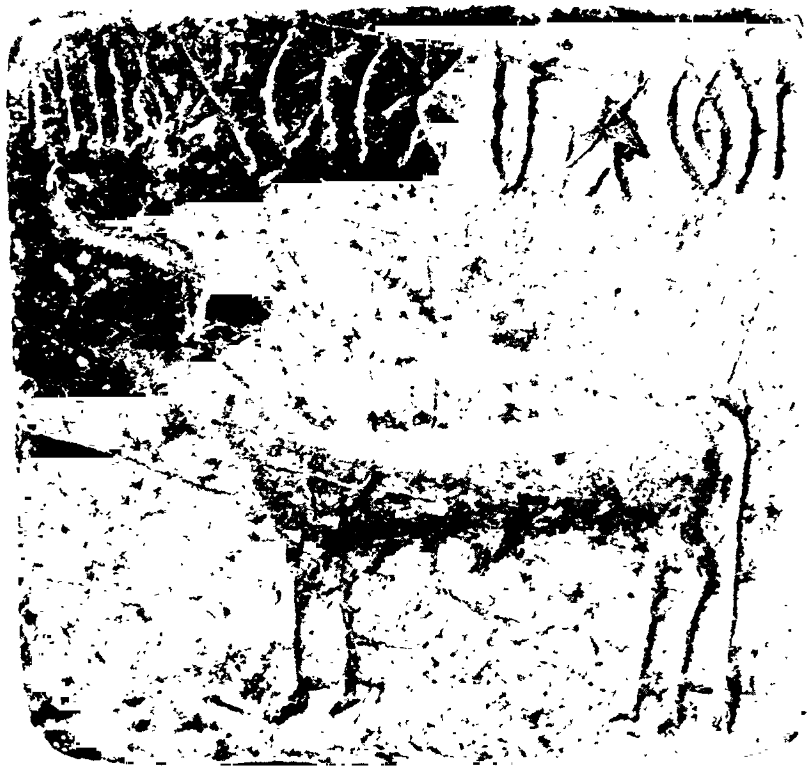


K-122 B (2) (200 %)

Chanhujo-daro



C-1 B



C-1 A



C-1 a



C-2 A



C-2 a



C-3 A



C-3 a



C-4 A



C-4 a



C-5 A



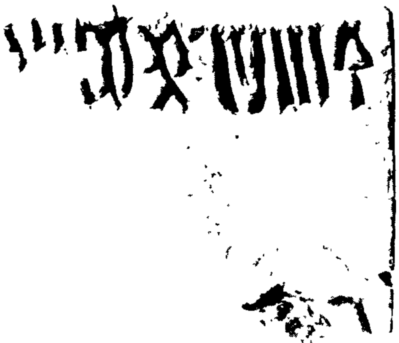
C-5 a



C-6 A



C-6 a



C-7 A



C-7 a



C-8 A



C-9 A



C-10 A



C-8 a



C-9 a



C-10 a



C-11 A



C-12 A



C-11 a



C-11 a bis



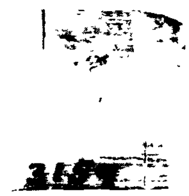
C-12 a



C-13 A



C-14 A



C-14 B



C-13 a



C-13 a bis



C-14 a



C-14 F



C-15 a



C-16 A



C-16 a



C-15 A



C-15 a bis



C-17 A



C-17 a



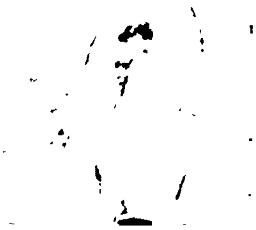
C-18 A



C-18 C



C-18 B



C-19 A



C-19 a



C-18 a



C-18 E



C-19 C



C-19 B



C-19 E



C-19 a bis



C-20 A



C-20 a



C-21 A



C-21 a



C-22 A



C-22 a



C-22 a bis

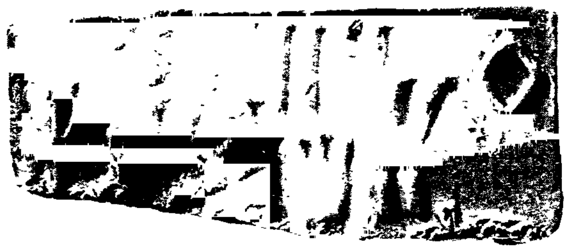

C-23 A


C-23 B


C-23 a


C-24 a


C-24 A


C-24 a bis


C-25 A


C-25 B

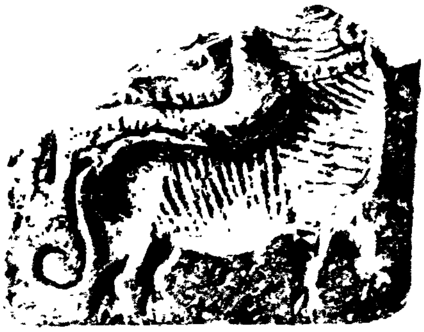

C-26 A


C-26 C


C-25 a


C-26 a


C-26 B



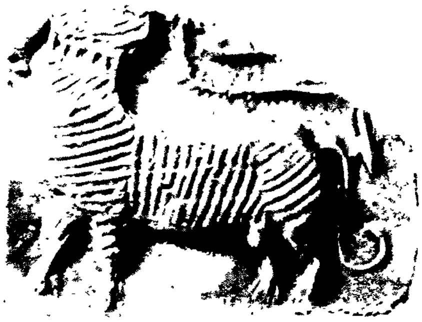
C-27 A



C-28 A



C-29 A



C-27 a



C-28 a



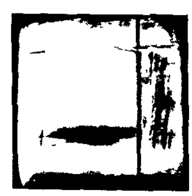
C-29 B



C-30 A



C-31 A



C-31 B



C-31 E



C-30 a



C-31 a


C-32 A


C-32 C


C-32 B


C-32 a


C-33 A


C-33 a


C-33 C


C-33 F


C-33 B

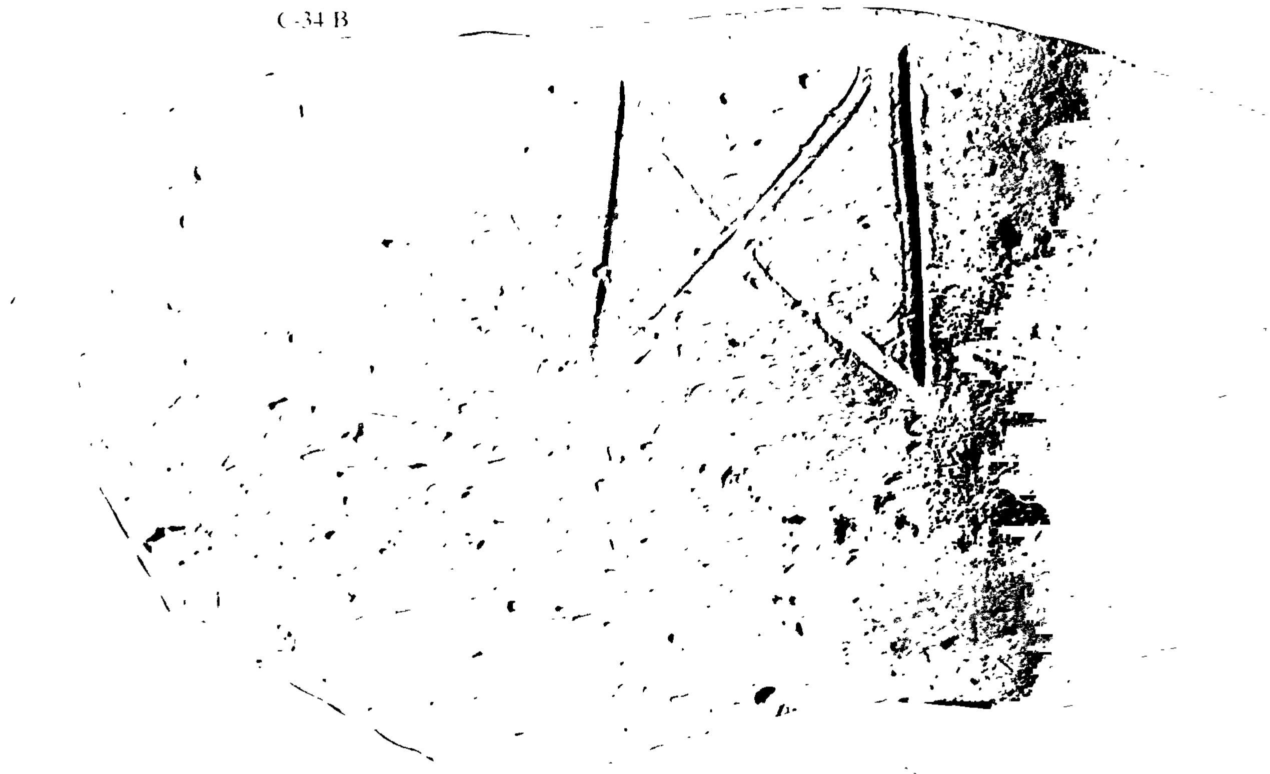

C-34 A


C-35 A


C-35 C


C-35 B


C-34 B


C-36 A (100 %)


C-37 A (50 %)



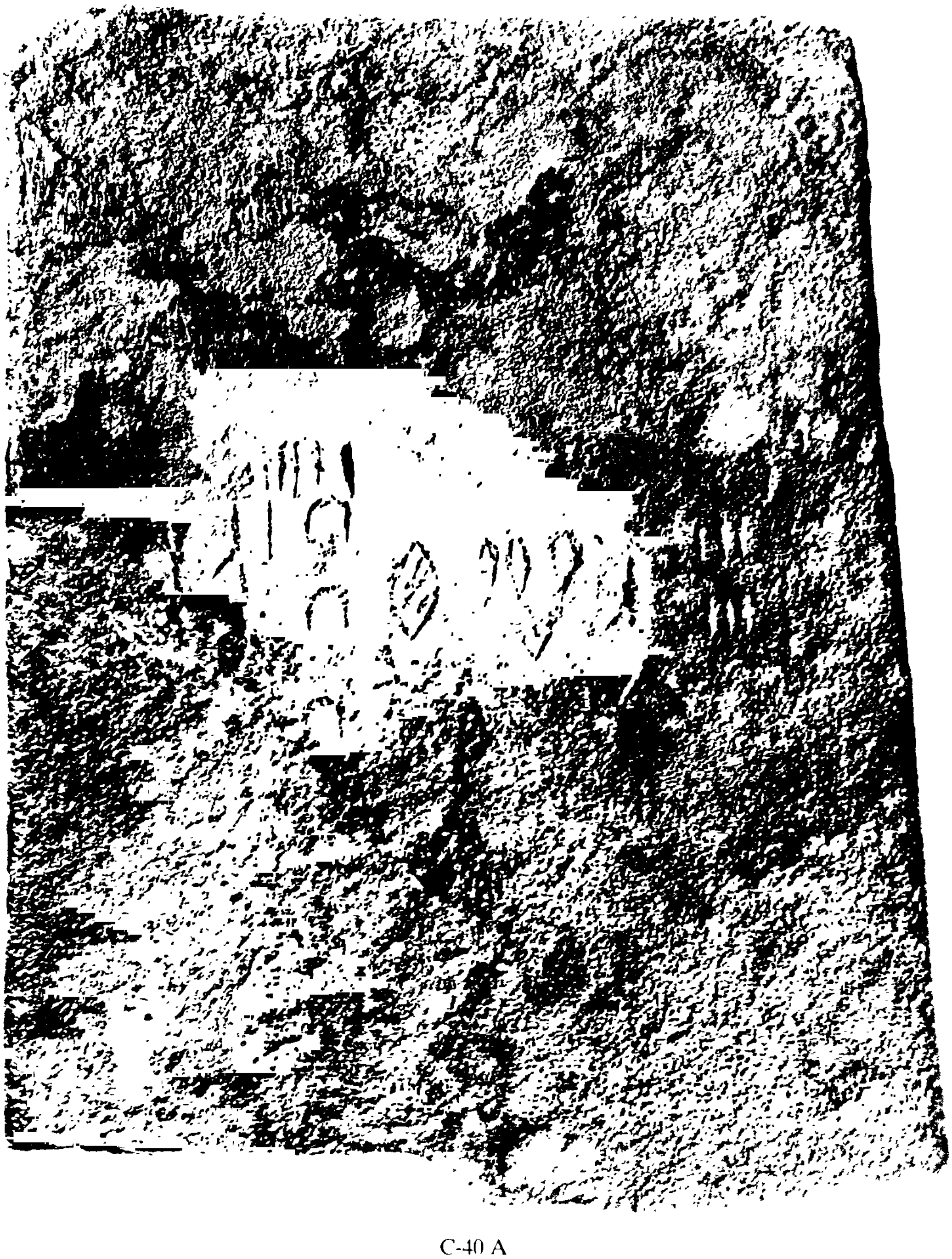
C-38 A



C-39 A (1) (33 [illegible])



C-39 A (2) (100 [illegible])



C-40 A



C-40 B



C-41 A



C-41 C



C-41 B



C-41 a



C-42 A



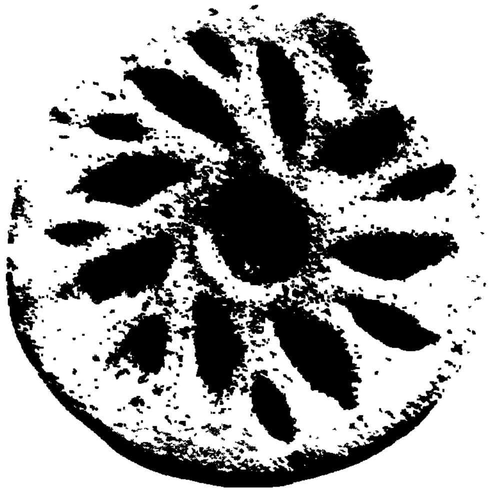
C-42 C



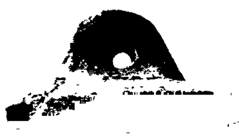
C-42 B



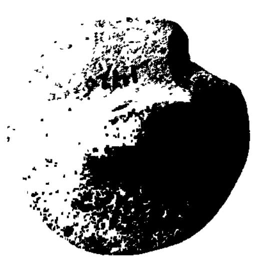
C-42 a



C-43 A



C-43 C



C-43 B



C-43 a



C-44 A



C-44 B



C-44 D



C-44 a



C-45 A



C-45 D



C-45 a



C-45 B



C-45 A bis



C-45 a bis



C-46 A



C-46 D



C-46 B



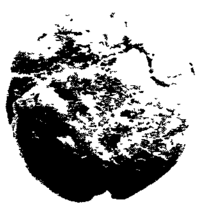
C-46 a



C-46 b



C-47 A



C-47 B



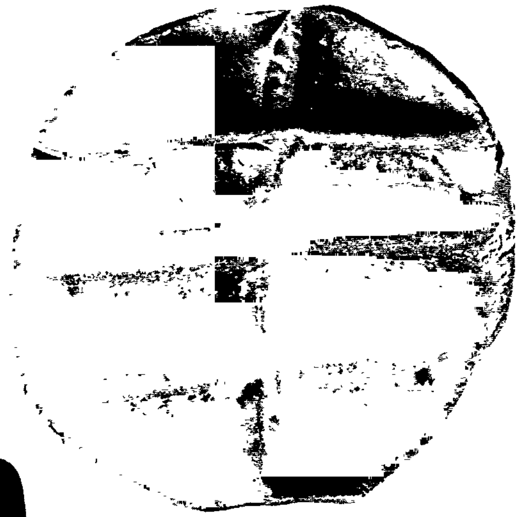
C-47 D



C-47 a



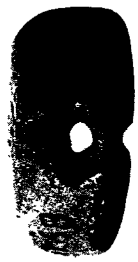
C-48 A



C-48 a



C-48 B



C-48 D



C-49 A



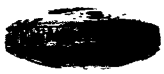
C-49 a



C-49 B



C-49 b



C-49 C



C-50 A



C-50 a



C-50 B



C-50 b

Banawali



B-1 A



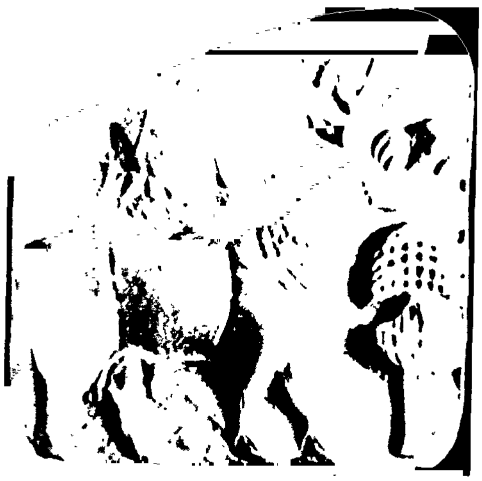
B 1-a



B-1 B



B-2 A



B-2 a



B-3 A



B 3-a



B-4 A



B 4-a



B-5 A



B-5 a



B-6 A



B-6 a



B-7 A



B-8 A



B-8 a



B-8 C



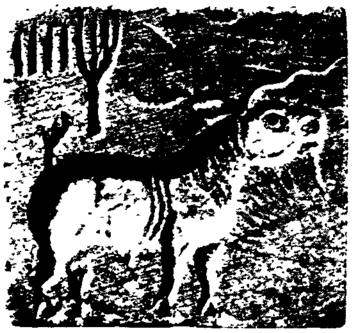
B-8 B



B-8 D



B-7 a



B-9 A



B-9 a



B-9 B



B-9 D



B-10 A



B-10 a



B-12 A



B-12 a



B-11 A



B-11 a



B-12 B



B-12 D



B-13 A



B-13 a



B-14 A



B-14 a



B-15 A



B-15 a



B-16 A



B-16 a



B-17 A



B-17 a



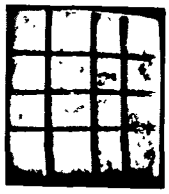
B-18 A



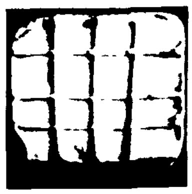
B-18 a



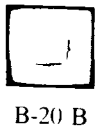
B-19 A



B-20 A



B-20 a



B-20 B



B-20 D



B-21 A



B-21 a



B-22 A



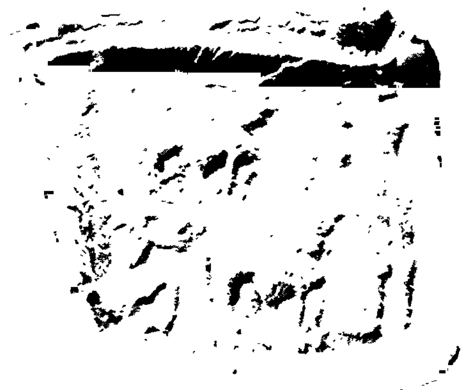
B-22 a



B-23 A (1)



B-23 B



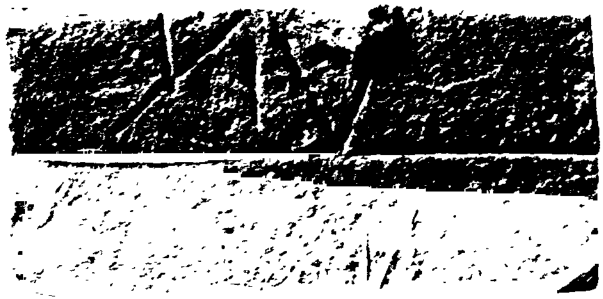
B-23 a



B-23 A (2) (400 %)



B-24 A



B-25 A



B-24 F



B-24 B-C



B-25 B



B-25 C



B-26 A



B-26 C

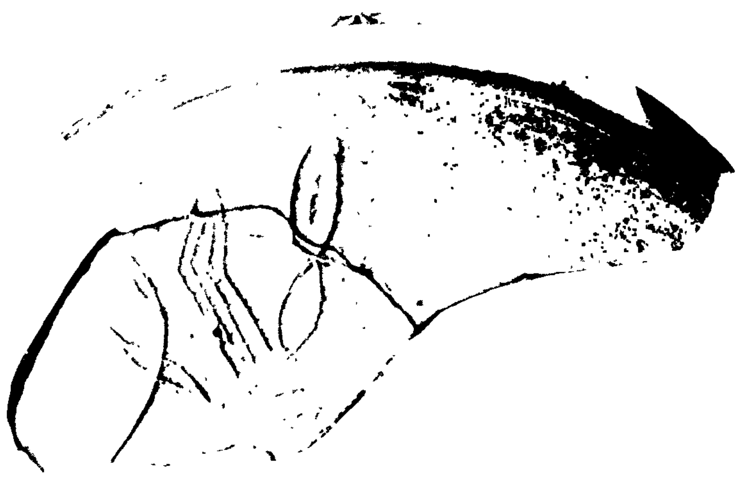
For B-26 a see p. 364



B-26 B



B-27 A



B-28 A



B-29 A



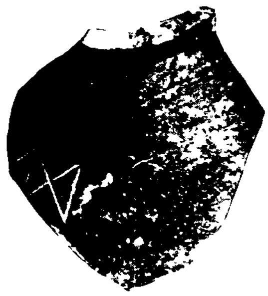
B-30 A



B-31 A



B-32 A



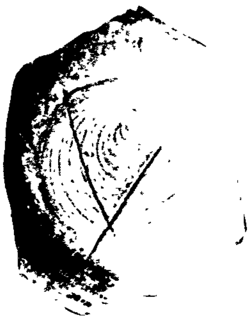
B-33 A



B-34 A



B-35 A

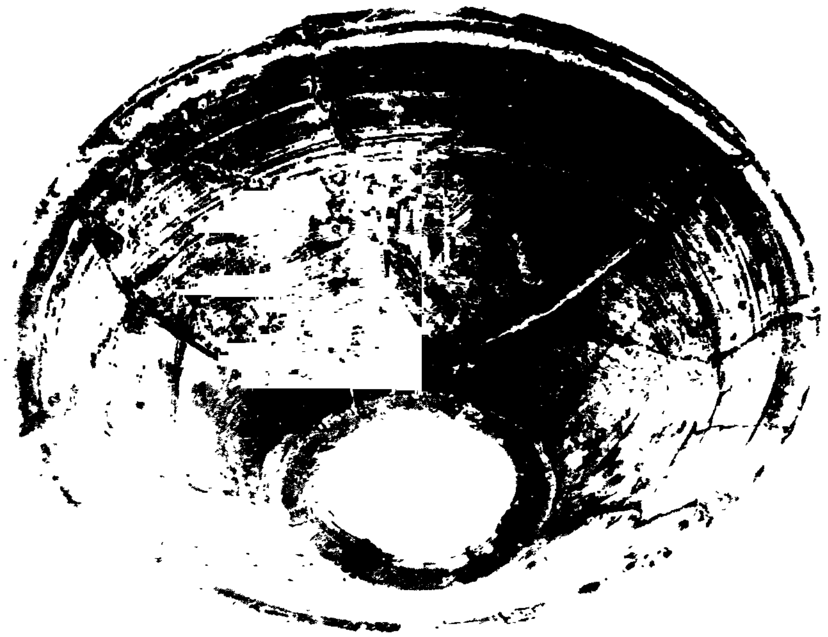


B-36 A

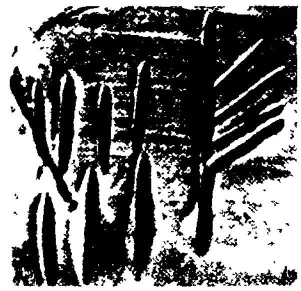


B-37 A

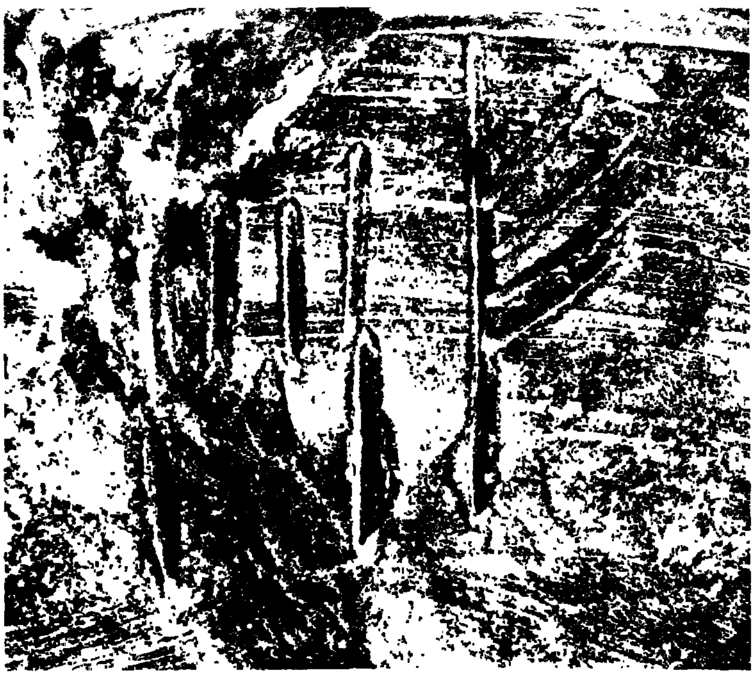
Alamgirpur



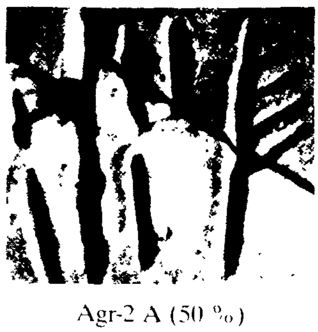
Agr-1 A (1) (19 %)



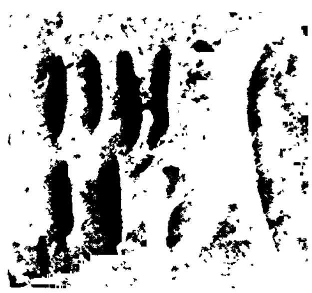
Agr-1 A (2) (50 %)



Agr-1 A (2) bis (100 %)

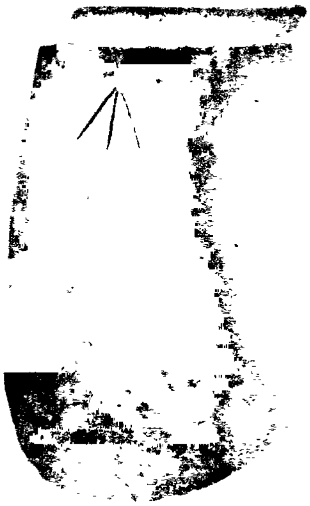


Agr-2 A (50 %)

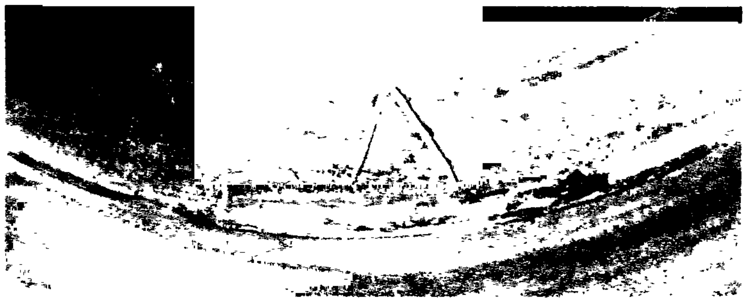


Agr-3 A (50 %)

Amri



Amri-1 A (66 %)



Amri-2 A (66 %)

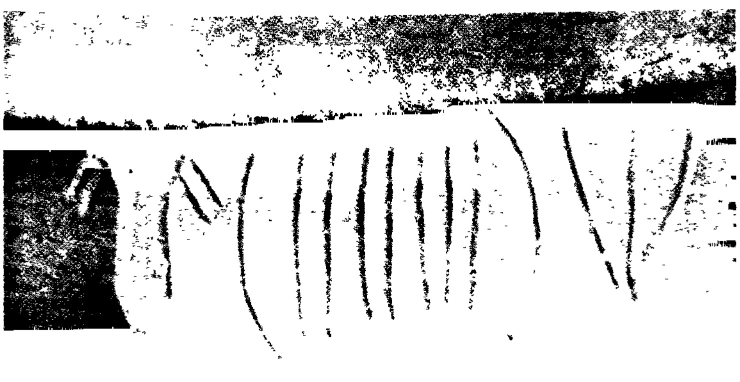
Chandigarh



Ch-1 A (? %)



Ch-3 A (? %)



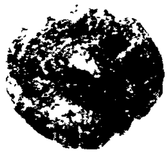
Ch-2 A (? %)



Ch-4 A (? %)

Daimabad


Dmd-1 A


Dmd-1 B


Dmd-2 A


Dmd-2 C


Dmd-1 a


Dmd-1 E

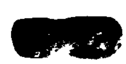

Dmd-2 a


Dmd-2 B


Dmd-3 A


Dmd-3 B


Dmd-3 D


Dmd-3 E



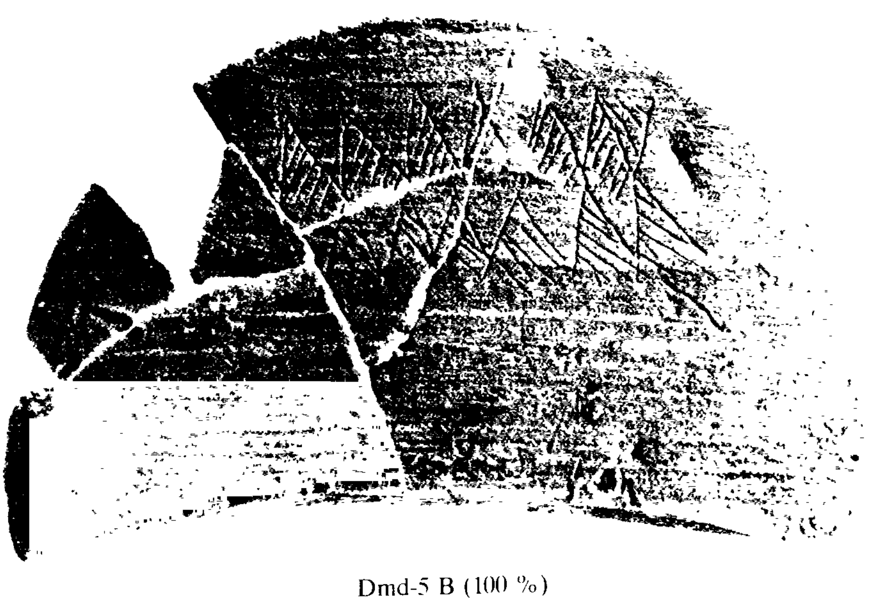
Dmd-4 A (100 %)



Dmd-4 a (100 %)



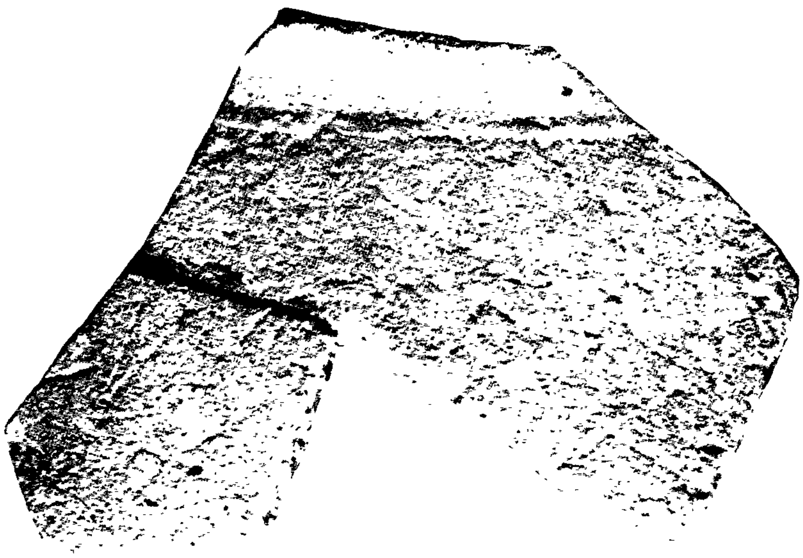
Dmd-5 A (100 %)



Dmd-5 B (100 %)



Dmd-6 A (200 %)



Dmd-7 A (100 %)



Dmd-8 A (100 %)



Dmd-9 A (100 %)

Desalpur (Desalpar)



Dlp-1 A



Dlp-2 A



Dlp-3 A



Dlp-1 a



Dlp-2 a



Dlp-1 C

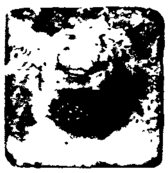


Dlp-2 C

Dholavira (Kotadi, Kotda Timba)



Dlv-1 A



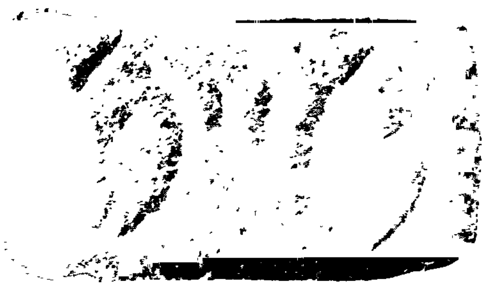
Dlv-1 B



Dlv-2 A



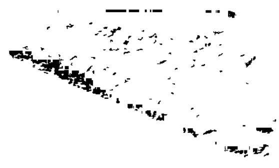
Dlv-1 a



Dlv-2 a



Dlv-2 C



Dlv-2 E

Hulas



Hls-1 A



Hls-1 B



Hls-1 E

Jhukar



Jk-1 A



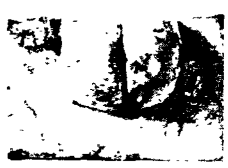
Jk-2 A



Jk-2 a



Jk-1 a



Jk-1 B



Jk-2 F



Jk-2 B



Jk-2 E

Khirsara (Khera-Shara, Netra)



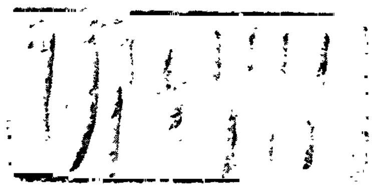
Krs-1 A



Krs-2 A



Krs-1 a



Krs-2 a



Krs-1 C



Krs-2 C

Lohumjo-Daro



Lh-1 A



Lh-1 a

Maski



Msk-1 A (100 %)



Msk-1 a (100 %)

Mehi



Mehi-1 A



Mehi-1 B



Mehi-1 E



Mehi-1 a

Pabumath



Pbm-1 A



Pbm-1 B



Pbm-1 a

Prabhas Patan (Somnath)



Pbs-1 A

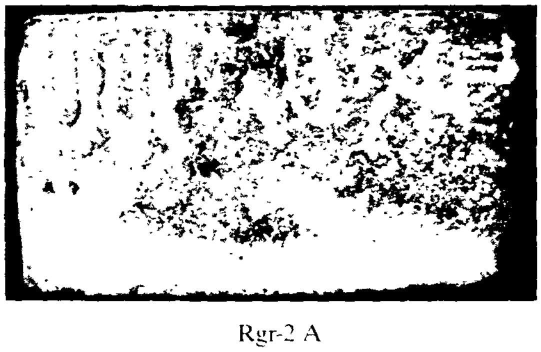


Pbs-1 B

Rakhigarhi



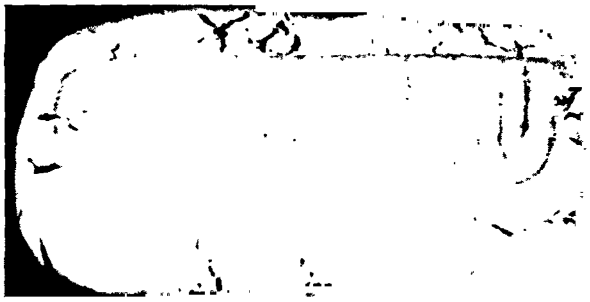
Rgr-1 A



Rgr-2 A



Rgr-1 a



Rgr-2 a



Rgr-3 A (65 %)

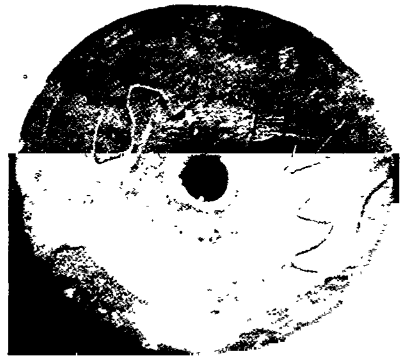


Rgr-3 E

Rangpur

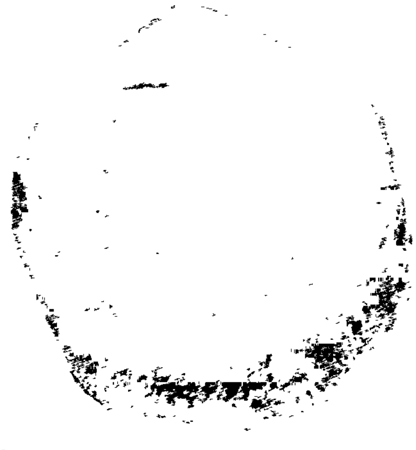


Rgp-1 A

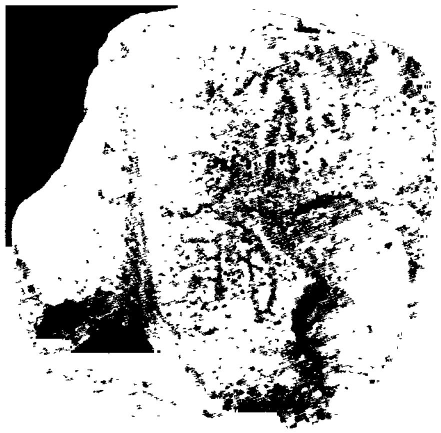


Rgp-2 A (25 %)

Rohira

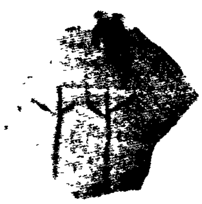


Rhr-1 A (100 %)



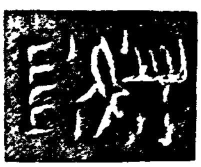
Rhr-2 A (100 %)

Rojdi

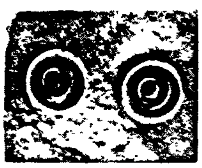


Rjd-1 A (50 %)

Rupar



Rpr-1 A



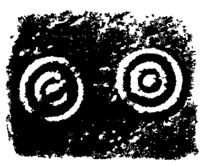
Rpr-1 B



Rpr-1 C



Rpr-1 a



Rpr-1 b



Rpr-1 D

Shahi-tump



Sht-1 A



Sht-1 C



Sht-1 B



Sht-1 a

Surkotada



Sktd-1 A



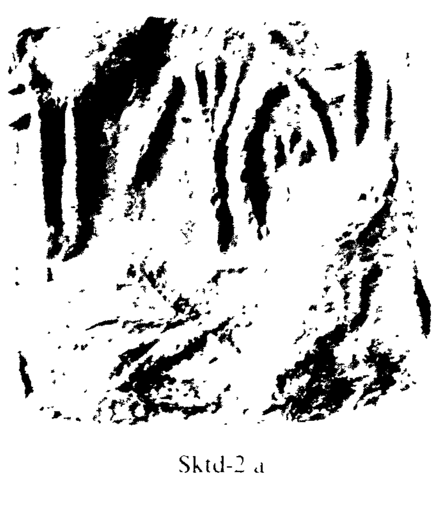
Sktd-1 a



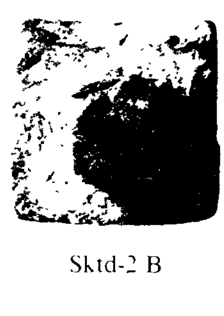
Sktd-2 C



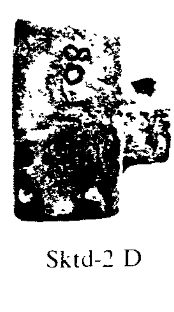
Sktd-2 A



Sktd-2 a



Sktd-2 B



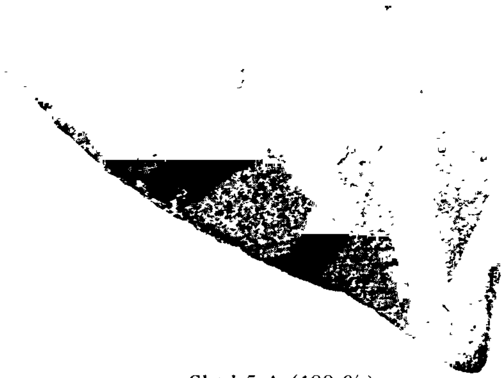
Sktd-2 D



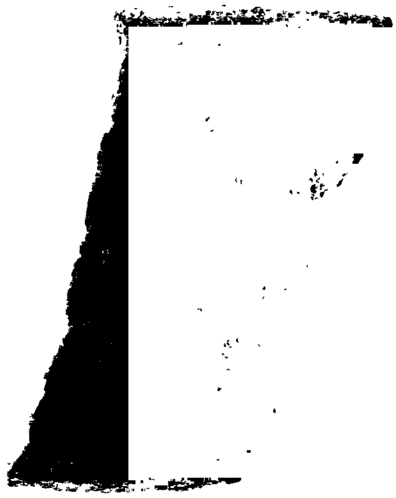
Sktd-3 A (50 %)



Sktd-4 A (50 %)



Sktd-5 A (100 %)



Sktd-6 A (100 %)

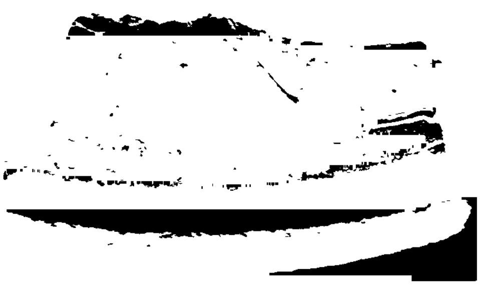
Tarkhanewala-dera



Tkwd-1 A (100 %)



Tkwd-1 B (100 %)



Tkwd-2 A (50 %)



Tkwd-3 A (50 %)

Addenda



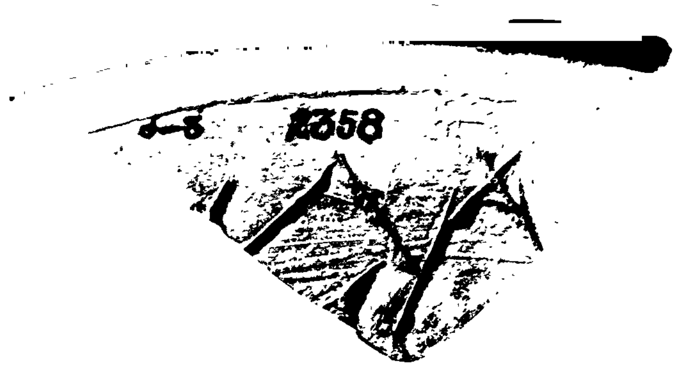
M-435 A



M-540 A



H-76 A



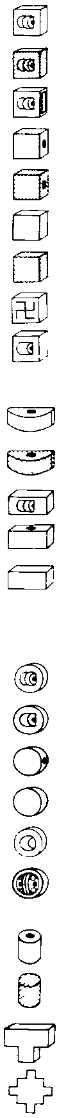
H-382 A (50 %)



B-26 a

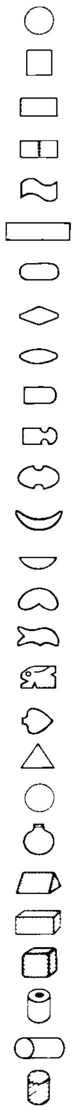
Table 1: Symbols of the form classes of Indus seals and tablets in this volume

SEALS



square	with a perforated boss	- inscribed on one side
		- inscribed on more than one side
		- having a case
	perforated, without a boss	- inscribed on one side
		- inscribed on more than one side
	unperforated, without a boss	- inscribed on one side
		- inscribed on more than one side
	with a swastika or some other geometric motif (and with a perforated boss)	
	with a perforated undivided boss	
rectan-gular	perforated with a convex back	- inscribed on one side
		- inscribed on more than one side
	with a perforated boss	
	perforated	
	unperforated	- inscribed on one side
		- inscribed on more than one side
round	with a perforated boss	
	with a perforated undivided boss	
	perforated	
	unperforated	
	with an unperforated boss	
	Dilmun-type (foreign)	
cylinder	perforated or unperforated	
	unperforated, inscribed on more than one side	
stepped	T - shaped (foreign?)	
	step-sided lozenge (foreign)	

TABLETS in bas-relief & incised



round (tablets in bas-relief)	
square	
rectangular	- unperforated
	- perforated
	- twisted
long rectangular (distinguished in copper tablets only)	
rectangular, rounded at both ends	
lanceolate with truncated ends	
lanceolate	
rectangular, rounded at one end	
half rectangular, half shield-shaped	
shield-shaped	
crescent-shaped	
half-moon-shaped	
heart-shaped	
fish-shaped	
hare-shaped	
leaf-shaped	
triangular	
round (incised tablets)	
round with a perforated projection	
triangular prism inscribed on more than one side	
rectangular bar inscribed on more than one side	
cube inscribed on more than one side	
perforated cylinder	
unperforated cylinder	
unperforated cylinder inscribed on more than one side	

Basic data for the objects illustrated

Column 1 in the following tabulation gives the CISI numbers assigned to the objects in the present volume
Column 2 gives the FC (= the Finnish Concordance in its current version, cf p XX, fn 50) numbers, according to which the material is arranged in the CISI archives at the University of Helsinki This number is given also because the FC offers help in reading the inscriptions, as does also I Mahadevan's Concordance (see p XX, fn 49), where many numbers are identical with the FC numbers (but

many numbers are also different the numbers of the two concordances are correlated in the second volume of the FC) In this preliminary short catalogue, furthermore, the FC number replaces the references to earlier publications of the objects, since the great bulk of them, i e , those coming from Mohenjo-daro and Harappa, can easily be located with their help (see p XXVII, fn 71) Virtually none of the objects with the FC numbers between 0005 and 0781 and between 3802 and 4614 has been published before a great number of previously unpublished objects come from Kalibangan and Lothal, and some from Banawali, Desalpur, Dholavira, Khirsara, Pabumath, Rakhigarhi and Tarkhanewala-dera

Column 3 gives the excavation numbers or corresponding data A single entry with a query denotes that the number is uncertain because it is unclearly written or some similar reason, when there is an unsettled conflict between different sources, all numbers are mentioned, unless specified with the numbers o (= written on the object) and t (= in the tabulation of the excavation reports), the first number given is that recorded by Ms Lahdenpera or the photographers of the ASI (these two sources are in agreement usually) and the second that found in Shri I Mahadevan's registers

Column 4 mentions the museum where the object concerned is kept, and the museum registration number(s)

Column 5 gives the sources of the photographs published in this volume Furthermore cross-references to the Corrigenda section are given here

Abbreviations used:

??? = data not available
ABD = Archaeological Survey of India, Aurangabad Circle, Aurangabad
AI = *Ancient India*
AM Trichur = Archaeological Museum Trichur
ASI = (in column 4) Archaeological Survey of India, Purana Qila, New Delhi
(in column 5) photograph taken by the ASI (those without further clarification are usually photographs taken specifically for the Corpus)
ASI-EB5 = photograph supplied by Archaeological Survey of India, Excavations Branch No. V, Vadodara
ASI-VC = photograph supplied by Archaeological Survey of India, Vadodara Circle, Vadodara
CE = Ernest Mackay, *Chanhu-Daro Excavations 1935-36*, New Haven 1943
CISI = *Corpus of Indus Seals and Inscriptions*
DAH = Department of Archaeology, Government of Haryana, Chandigarh
DC Pune = Department of Archaeology, Deccan College, Pune
EH = M S Vats, *Excavations at Harappa*, Delhi 1940
FC = Finnish Concordance (see introduction, p XX & fns 50 and 71)
FEM = Ernest Mackay, *Further Excavations at Mohenjo-daro*, Delhi 1938
Grinstead & Parpola = the article cited above, p XII, fn 7
Hardwar = Archaeological Museum, Gurukula Kangri, Hardwar, U P
HU = Helsinki University, Department of Asian and African Studies, photograph taken by Ms Erja Lahdenpera for the CISI project
Hartel & Auboyer = H Hartel & J Auboyer, *Indien und Sudostasien*, Propylaen Kunstgeschichte 16, Berlin 1971
IAR = *Indian Archaeology - A Review*
IM = Indian Museum, Calcutta
KC = Department of Archaeology, Kuchchh Circle, Bhuj
KM = Kuchchh Museum, Bhuj
KRI = Kannada Research Insitute, Dharwar
KVR = photograph by Dr K V Ramesh, Director of Epigraphy, ASI, Mysore
LCKN = State Museum, Banarsi Bagh, Lucknow
LTH = Archaeological Survey of India, Lothal Site Museum, Saragwala
MDS = Government Museum, Madras
MIC = John Marshall (ed), Mohenjo-daro and the Indus Civilization, London 1931
Nagpur = Central Museum, Nagpur
NMI = National Museum of India, New Delhi
(o) = the number written on the object itself
PTN = Patna Museum, Patna
Pu = Punjab Series, Photo Archive of the Director General, ASI, Janpath, New Delhi
PWM = Prince of Wales Museum of W India, Bombay
Rao = S R Rao, *Lothal, A Harappan Port Town, 1955-62*, II, New Delhi 1985
Rohtak = Haryana Prantiya Puratattva Samgrahalaya, Gurukul Jhajjhar, Rohtak, Haryana
Sali = S A Sali, *Daimabad 1976-79*, New Delhi 1986
Sarasvati = Swami Omananda Sarasvati, *Ancient Seals of Haryana*, Rohtak 1974
Si = Sind Series, Photo Archive of the Director General, ASI, Janpath, New Delhi
SRG = Saragwala village, in which Lothal mound is situated, prefixed (1) to registration numbers of the Lothal site museum or (if museum number is not available) (2) to excavation data (in parentheses)
(t) = the number listed in the tabulation of the excavation report
Thapar 1973 = B K Thapar, Recent excavations in India, in H Hartel & V Moeller (hrsg), *Indologen-Tagung 1971*, Wiesbaden 1973, 25-46
Yule = photograph by Dr Paul Yule, Bonn

M-1	1067	HR 2406	ASI 63 10 348	HU 417
M-2	0776	???	KRI	KVR
M-3	2225	DK 11213	ASI 63 10 2	HU 88, a ASI
M-4	0108	DKi 94	ASI 63 10 3	HU 89
M-5	2247	DK 12070	ASI 63 10 5	HU 91, a ASI
M-6	2422	DK 5419	NMI 76	HU 869, a ASI
M-7	1011	C 194	NMI 77	HU 1120, a ASI
M-8	1038	VS 2040	NMI 78	HU 1141, a ASI
M-9	2615	DK 8916	NMI 79	HU 868
M-10	1006	HR 164	ASI 63 10 349	HU 418
M-11	1062	D 2	IM NS 5732 IM A 22920	HU 1339, a Si 3 p 81 10
M-12	0211	DK 5654	ASI 63 10 7	HU 93
M-13	1069	HR 640	ASI 63 10 390	HU 460
M-14	1022	L 5	ASI 63 10 402	HU 469
M-15	2177	DK 5371	ASI 63 10 85	HU 171
M-16	1037	DK 402	NMI 81	HU 1121
M-17	1035	HR 2723	ASI 63 10 350	HU 419
M-18	1548	HR 1110	ASI 63 10 363	HU 433
M-19	1085	VS 1819	ASI 63 10 106	HU 299
M-20	1054	VS 3594	ASI 63 10 132	HU 325
M-21	2103	DK 7945	ASI 63 10 79	HU 165
M-22	1023	HR 3730	ASI 63 10 344	HU 414
M-23	2398	DK 6599 (t) DK 269 (o)	ASI 63 10 131	HU 324, a HU 21/87
M-24	2694	SD 2850	ASI 63 10 101	HU 294
M-25	1056	BJ 2	IM S 6045	A Si 3 p 74 6305, A bis HU 1341, a MIC pl 105 56
M-26	2074	DK 11862	NMI 85	HU 862
M-27	2084	DK 11284	ASI 63 10 6	HU 92
M-28	2178	DK 8054	NMI 82	HU 1126
M-29	2033	DK 3557	NMI 84	HU 864, a ASI
M-30	2396	DK 5250	NMI 80	HU 1125
M-31	2576	DK 9069	ASI 63 10 125	HU 318
M-32	2180	DK 7920	LCKN S 2490	HU 1308
M-33	1042	HR 4356	ASI 63 10 370	HU 440
M-34	1058	HR 2582	ASI 63 10 346	A Si 8 p 78 448, a MIC pl 105 58, A bis, a bis HU 431
M-35	2333	DK 4321	ASI 63 10 383	HU 453
M-36	2455	DK 6127	NMI 87	HU 860, a ASI
M-37	0011	DKB 1117	ASI 63 10 73	HU 159
M-38	1087	DK 2220	ASI 63 10 114	HU 307, a ASI
M-39	1544	DK 3018	ASI 63 10 86	HU 172
M-40	1051	HR 4945	ASI 63 10 392	HU 466
M-41	2271	DK 12593	ASI 63 10 72	HU 158
M-42	1096	HR 4625a	ASI 63 10 391	HU 467
M-43	2584	DK 7820	ASI 63 10 69	HU 155
M-44	0110	DKi 104	ASI 63 10 37	HU 123
M-45	1552	B 428	ASI 63 10 315	HU 385
M-46	0241	DK 12985	ASI 63 10 112	HU 305
M-47	1098	E 829	ASI 63 10 310	HU 380
M-48	1186	E 1008	ASI 63 10 313	HU 383
M-49	1047	VS 3414	ASI 63 10 104	HU 297, a Si 12 p 53 515
M-50	1557	VS 623	ASI 63 10 105	HU 298
M-51	1555	DM 135	NMI 86	HU 1128
M-52	1540	D 208	ASI 63 10 409	HU 476, a HU 56/87
M-53	2128	DK 10916	ASI 63 10 87	HU 173
M-54	2307	DK 3606	ASI 63 10 90	HU 176
M-55	2511	DK 6689	ASI 63 10 71	HU 157, a HU 14/87
M-56	2406	DK 7925	ASI 63 10 80	HU 166, a Si 20 p 80 213 a bis ASI
M-57	2340	DK 5742	ASI 63 10 89	HU 175
M-58	2680	DK 7147	ASI 63 10 135	HU 328 a HU 22/87
M-59	1029	HR 4868	ASI 63 10 345	HU 415, a Si 11 p 12 266
M-60	2124	DK 10460	MDS	HU 1360
M-61	0144	DKi 849	ASI 63 10 83	HU 169 a ASI
M-62	0118	DKi 284	NMI 88	HU 859
M-63	0223	DK 8333	ASI 63 10 12	HU 98, a Si 21 p 1 215
M-64	2524	DK 7708	ASI 63 10 111	HU 304
M-65	2440	DK 8841	ASI 63 10 11	HU 97, a HU 3/87
M-66	1052	HR 5629	ASI 63 10 371	HU 441
M-67	2264	DK 12294	ASI 63 10 130	HU 323
M-68	0105	DKi 64	NMI 83	HU 855
M-69	1095	DK 92	ASI 63 10 138	HU 331
M-70	1048	HR 4076	ASI 63 10 362	HU 432
M-71	0235	DK 12704	ASI 63 10 134	HU 327
M-72	2085	DK 11030	ASI 63 10 38	HU 124, a ASI
M-73	1046	DK 2485	ASI 63 10 127	HU 320
M-74	2353	DK 4364	ASI 63 10 401	HU 470, a FEM pl 89 353
M-75	1019	VS 1799	ASI 63 10 129	HU 322
M-76	1210	BJ 10	IM NS 6050 IM A 7807	HU 20/87
M-77	0113	DKi 175	ASI 63 10 78	HU 164, a HU 16/87
M-78	0102	DKi 813	ASI 63 10.34	HU 120
M-79	2083	DK 11249	ASI 63 10 26	HU 112
M-80	2635	DK 9002	ASI 63 10 150	HU 343
M-81	1180	C 3133	ASI 63.10 321	HU 391, a Si 12 p 60 529, a bis HU 39/87
M-82	2451	DK 5341	ASI 63 10 136	HU 329
M-83	2267	DK 12763	ASI 63 10 142	HU 335, a Si 22 459
M-84	1108	DK 596	ASI 63 10 41	HU 127
M-85	2365	DK 5785	ASI 63 10 116	HU 309
M-86	2208	DK 4648	ASI 63 10 151	HU 344
M-87	2148	DK 10281 (t) DK4182 (o)	ASI 63 10 24	A, a bis HU 110, a Si 22 457
M-88	1075	DK 2130	ASI 63 10 45	HU 131
M-89	0138	DKi 670	ASI 63 10 91	HU 177
M-90	0214	DK 6331	ASI 63 10 148	HU 341
M-91	2429	DK 6380	ASI 63 10 100	HU 186, a ASI
M-92	2407	DK 6422	ASI 63 10 99	HU 185
M-93	2305	DK 8041	ASI 63 10 36	HU 122
M-94	2594	DK 8539	ASI 63 10 28	HU 114
M-95	2657	DK 6625	ASI 63 10 25	A, a bis HU 111, a Si 18·588
M-96	2698	SD 3058	NMI 90	HU 906
M-97	2549	DK 5418	ASI 63 10 15	HU 101
M-98	2012	DK 3353	ASI 63 10 316	HU 386
M-99	2475	DK 6777	ASI 63 10 145	HU 338
M-100	1115	E 470	ASI 63 10 311	HU 381

M-101	1537	VS 955	ASI 63 10 108	HU 301
M-102	1129	E 1094	ASI 63 10 314	HU 384
M-103	1076	C 3055	ASI 63 10 312	HU 382
M-104	2574	DK 7135	ASI 63 10 124	A, a bis HU 317, a. Si 18 615
M-105	2337	DK 7888	ASI 63 10 20	HU 106
M-106	2459	DK 7145	ASI 63 10 76	HU 162
M-107	2563	DK 7415	ASI 63 10 84	HU 170, a HU 15/87
M-108	1110	HR 4111	ASI 63 10 367	HU 437, a HU 40/87
M-109	1151	HR 5995	ASI 63 10 359	HU 428, a MIC pl 108 151
M-110	2031	DK 10559	ASI 63 10 22	HU 108
M-111	2029	DK 10895	ASI 63 10 137	HU 330
M-112	2099	DK 11359	ASI 63 10 81	HU 167
M-113	2115	DK 11374	ASI 63 10 64	HU 150
M-114	2166	DK 12504	ASI 63 10 9	HU 95
M-115	0240	DK 12935	ASI 63 10 13	HU 99, a HU 4/87
M-116	2481	DK 7137	ASI 63 10 29	HU 115, a HU 8/87
M-117	1105	SD 2445	ASI 63 10 109	HU 302
M-118	1104	VS 1779	ASI 63 10 103	HU 296, a ASI
M-119	2018	DK 3285 (t) DK 3885 (o)	ASI 63 10 32	HU 118, a HU 9/87
M-120	1099	VS 49	ASI 63 10 107	HU 300
M-121	1188	HR 4519	ASI 63 10.358	HU 427
M-122	2015	DK 12523	ASI 63.10 40	HU 126 a ASI
M-123	2702	SD 3226	ASI 63 10 389	HU 459, a Si 15 p 4 459
M-124	1120	HR 4264	ASI 63 10 365	HU 435 [see Corr]
M-125	0775	???	KRI	KVR
M-126	2311	VS 3370	ASI 63 10 147	HU 340
M-127	1119	VS 2985	ASI 63 10 405	A· Si 8 p 75 445, A bis, a HU 480
M-128	2284	DK 8103	ASI 63 10 17	HU 103
M-129	2193	DK 5227	ASI 63 10 35	HU 121
M-130	2285	DK 5575 (2)	ASI 63 10 47	HU 133
M-131	2263	DK 5924	ASI 63 10 58	HU 144, a 19/87
M-132	2082	DK 10906	ASI 63 10 51	HU 137
M-133	2052	DK 10359	ASI 63 10 75	HU 161, a ASI
M-134	2187	DK 11557	ASI 63 10 82	HU 168
M-135	1168	HR 3791	ASI 63 10 369	A, a bis HU 439, a· Si 13 19
M-136	2233	DK 12117	ASI 63 10 10	HU 96
M-137	2261	DK 12779	ASI 63 10 97	HU 183
M-138	2381	DK 5669 (1)	ASI 63 10 39	HU 125, a ASI
M-139	2185	DK 3477	ASI 63.10.318	HU 388
M-140	2563	DK 5432	ASI 63 10 31	HU 117
M-141	2543	DK 6210	ASI 63 10 96	HU 182
M-142	2630	DK 8629	NMI 95	A ASI, a. HU 1114
M-143	2002	DK 10323	ASI 63 10 23	HU 109, a. ASI
M-144	2048	DK 11295	ASI 63 10 16	HU 102, a ASI
M-145	1118	SD 570	ASI 63 10 143	HU 336, a Si 12 p 68 546
M 146	1100	SD 2010	ASI 63 10.102	HU 295
M-147	0257	DKB 953	ASI 63 10 49	HU 135
M-148	1245	HR 5310	ASI 63 10 368	HU 438
M-149	1233	D 619	ASI 63 10 320	A Si 5 p 25.6631, A bis, a HU 390
M-150	1236	HR 1365	ASI 63 10 356	HU 425
M-151	2323	DK 12782	ASI 63 10 14	HU 100, a HU 5/87
M-152	2102	DK 10948	ASI 63 10 19	HU 105, a HU 6/87
M-153	2361	DK 12877	ASI 63 10.144	HU 337
M-154	2373	DK 12903	ASI 63 10 21	HU 107, a HU 10/87
M-155	1187	E 2217	IM A 7704 IM 10380	HU IM 16/87
M-156	1264	L 661	AM Trichur	A photo by Dr Asko Parpola, 1987 4; a MIC pl 110 264
M-157	2022	DK 10753	ASI 63 10 60	HU 146
M-158	2198	DK 8100	ASI 63 10 98	HU 184
M-159	2355	DK 8121	ASI 63 10 382	HU 452
M-160	2286	DK 12449	ASI 63 10 88	HU 174; a ASI
M-161	2088	DK 10279	ASI 63 10 153	HU 346
M-162	2486	DK 4206	ASI 63 10 126	HU 319
M-163	1543	HR 4435	ASI 63 10 353	HU 422, a HU 36/87
M-164	2403	DK 3818	ASI 63 10 408	HU 477
M-165	2687	DK H 10	ASI 63 10 410	HU 475, a ASI
M-166	1080	HR 262	ASI 63 10 351	HU 420
M-167	1297	BJ 8	IM NS 6048 IM A 7808	HU IM 21/87, a MIC pl 110 297
M-168	2442	DK 5900	ASI 63 10 95	A, a bis HU 181, a Si 18 592
M-169	1113	DK 962	ASI 63 10.93	HU 179
M-170	2237	DK 12689	ASI 63 10 384	HU 454
M-171	1149	HR 4384	ASI 63 10 364	HU 434
M-172	1071	BJ 4	IM NS 6046	Si 3 p 74 6304, a. MIC pl 106 71
M-173	1161	HR 5630	ASI 63 10 8	HU 94, a Si 12 p 59 528
M-174	1114	HR 4965	ASI 63 10 352	HU 421, a Si 13 15
M-175	1291	VS 2852	ASI 63 10 165	HU 358
M-176	1193	DK 744	ASI 63 10 48	HU 134
M-177	2354	DK 5580	ASI 63 10 157	HU 350
M-178	1243	VS 505	ASI 63 10 152	HU 345
M-179	1220	E 653	ASI 63 10 322	HU 392
M-180	2014	DK 10157	ASI 63 10 387	HU 457
M-181	2490	DK 6633	ASI 63 10 77	HU 163
M-182	2154	DK 7948	ASI 63 10 50	HU 136
M-183	0721	DKi 399	ASI 63 10 411	HU 474, a ASI
M-184	2634	DK 5256	ASI 63 10 381	HU 451
M-185	2887	DK 5790	PTN Arch 9821	HU 1315
M-186	2161	DK 7990	NMI 91	HU 901
M-187	2382	DK 8013	PTN Arch 9820	A, a bis HU 1316, a Si 21 p 4 225
M-188	1287	C 1956	ASI 63 10 342	HU 412
M-189	1195	HR 4622	NMI 73	HU 905, a Si 12 p 59 528
M-190	1205	D 289	ASI 63 10 317	HU 387
M-191	1288	C 2823	ASI 63 10 325	HU 395
M-192	1206	HR 5596	ASI 63 10 357	HU 426
M-193	2113	DK 13036	MDS	HU 1362
M-194	2254	DK 10273	ASI 63 10 385	HU 455
M-195	2415	DK 6596	ASI 63 10 94	HU 180
M-196	2474	DK 4301	ASI 63 10 386	HU 456
M-197	2371	DK 10924	IM A 7703	HU 12/87
M-198	2363	DK 6530	ASI 63 10 65	HU 151
M-199	2647	DK 8494	ASI 63 10 154	HU 347
M-200	1148	VS 1961	ASI 63 10 118	HU 311
M-201	2678	DK 7050	ASI 63 10 30	HU 116
M-202	2625	DK 5710	ASI 63 10 54	HU 140
M-203	1556	C 2077	ASI 63 10 323	HU 393
M-204	2623	DK 8869	NMI 99	HU 928
M-205	1221	HR 6098	ASI 63 10 372	HU 442, a Si 12 p 63 535
M-206	0752	DK 5558	ASI 63 10 166	HU 359
M-207	2458	DK 5749	ASI 63 10 55	HU 141
M-208	2047	DK 12018	LCKN S 2491	HU 1309
M-209	2375	DK 8227	ASI 63 10 92	HU 178
M-210	2656	DK 9086	ASI 63 10 122	HU 315
M-211	1214	HR 5057	NMI 96	A ASI, a HU 1117
M-212	2577	DK 8209	ASI 63 10 74	HU 160
M-213	1150	C 3155	NMI 94	A Si 9 p 6 456, A bis, a HU 900
M-214	2571	DK 7268	ASI 63 10 158	HU 351
M-215	0718	DK 12279	LCKN S 2492	HU 1310
M-216	0213	DK 5981	ASI 63 10 42	HU 128
M-217	2087	DK 11868	ASI 63 10 146	HU 339
M-218	2175	DK 11635	NMI 92	HU 904
M-219	2433	DK 5859	ASI 63 10 66	A, a bis HU 152, a FEM pl 95 433
M-220	0005	DKB 910	ASI 63.10 53	HU 139
M-221	0249	???	NMI S 1299	HU 924
M-222	1194	C 2114	ASI 63 10 324	A Si 5 p 26 6632, A bis, a HU 394
M-223	1167	HR 5311	NMI 93	A ASI, a HU 909 [see Corr]
M-224	2215	DK 12618	MDS	HU 1361
M-225	2199	DK 3649	ASI 63 10 67	HU 153
M-226	2152	DK 3930	ASI 63 10 43	HU 129
M-227	2226	DK 7952	ASI 63 10.52	HU 138
M-228	2502	DK 7676	ASI 63 10 59	HU 145
M-229	0227	DK 9108	ASI 63 10 162	HU 355, a HU 31/87
M-230	1295	VS 3172	ASI 63.10 415	HU 484
M-231	2444	DK 8346	ASI 63 10 169	HU 362
M-232	2234	DK 12644	ASI 63 10 115	HU 308
M-233	2003	DK 10799	NMI 123	HU 1112
M-234	1321	C 2582	NMI 101	HU 101
M-235	2689	DK-H 31 (t) DK 31 (o)	NMI 8	HU 863
M-236	2123	DK 10965	NMI 103	HU 884
M-237	0123	DKi 422	ASI 63 10 57	HU 143, a ASI
M-238	2534	DK 8166	ASI 63 10 63	HU 149
M-239	2238	DK 12370	NMI 100	HU 861
M-240	1324	HR 4098	ASI 63.10 355	HU 424, a. Si 12 542
M-241	1536	HR 5787	NMI 106	HU 880
M-242	2216	DK 12293	ASI 63 10 68	HU 154
M-243	2390	DK 6837	ASI 63 10 119	HU 312
M-244	2399	DK 5678	ASI 63 10 128	HU 321, a HU 27/87
M-245	2290	DK 4458	NMI 107	HU 878
M-246	1317	HR 583	ASI 63 10 360	HU 429
M-247	2298	DK 12851	NMI 109	HU 891
M-248	1310	DK 1542	ASI 63 10 70	HU 156, a HU 18/87
M-249	2378	DK 5847	NMI 110	HU 874, a ASI
M-250	1308	C 2767	ASI 63 10 326	HU 396
M-251	2370	DK 5791	ASI 63 10 44	HU 130
M-252	2423	DK 5717	ASI 63 10 123	HU 316
M-253	2701	SD 3192	ASI 63 10 141	HU 334
M-254	2090	DK 10091	ASI 63 10 121	HU 314
M-255	2409	DK 8877	NMI 112	HU 930, A ASI
M-256	1332	BJ 1	IM NS 8044 IM A 22921	HU 1340, a MIC pl 111 332
M-257	2314	DK 5328 (o) DK 5128 (t)	NMI 102	HU 1130
M-258	1340	HR 3087 (o) HR 3080 (t)	NMI 105	HU 885
M-259	2132	DK 12222	NMI 108	HU 883
M-260	2567	DK 5967	NMI 111	HU 877
M-261	2535	DK 5968 (o) DK 5969 (t)	ASI 63 10 133	HU 326
M-262	2249	DK 11866 (o) DK 11846 (t)	ASI 63 10 113	HU 306
M-263	1336	E 1846	NMI 72	HU 902, A ASI
M-264	2607	DK 6704	ASI 63 10 155	HU 348
M-265	2155	DK 8014	NMI 113	HU 916 a Si 21 p 4 225
M-266	1306	HR 5193	NMI 120	HU 1133, a Si 12 p 66 542
M-267	2257	DK 3416	ASI 63 10 33	HU 119
M-268	2445	DK 6390	ASI 63 10 18	HU 104
M-269	2663	DK 8957	NMI 121	HU 910, A ASI
M-270	1304	L 385	NMI 128	HU 1116
M-271	2670	DK 8833 (o) DK 8853 (t)	NMI 129	HU 920
M-272	2554	DK 5875	NMI 132	ASI, a Si 18 592

M-273	2673	DK 7289	NMI 133	ASI
M-274	1342	HR 5992	NMI 119	ASI, a HU 1127
M-275	2131	DK 4812	ASI 63 10 140	HU 333
M-276	0160	DKi 1139	ASI 63 10 149	HU 342
M-277	2309	DK 12502	NMI 126	HU 934, a FEM pl. 88 309, a bis Si 22. 459
M-278	2648	DK 8473	NMI 134	HU 1111
M-279	0221	DK 7675	ASI 63 10.27	HU 113
M-280	1373	HR 5972	ASI 63.10 347	HU 416
M-281	0128	DKi 471	ASI 63 10 120	HU 313
M-282	2304	DK 4155	ASI 63 10 340	HU 410
M-283	2127	DK 12356	IM 10381 IM A 22914	HU 1325, a HU IM 3/87
M-284	2195	DK 12281	ASI 63.10 161	HU 354
M-285	1367	VS 3450	NMI 127	HU 1135; a Si. 12 p 53 515
M-286	2517	DK 5601	ASI 63.10 156	HU 349
M-287	2259	DK 12245	NMI 117	HU 879, a ASI
M-288	2518	DK 7221	ASI 63 10 414	HU 485, a: FEM pl 96 518
M-289	0159	DKi 1138	NMI 118	HU 876
M-290	2527	DK 8406	ASI 63 10 163	HU 356, a: Si 21 p 1 218
M-291	0224	DK 8516	NMI 1283	HU 882, B: ASI
M-292	1361	DK 2340	NMI 122	HU 1134, a ASI
M-293	1360	D 417	NMI 142	A Si 5 p 24: 6628, A bis HU 917, a ASI
M-294	1376	HR 4212e	ASI 63 10 378	HU 448
M-295	1386	C 2896	NMI 138	HU 889, B: ASI
M-296	1387	B 63	NMI 74	A & a bis ASI, A bis NMI 83/61, a: MIC pl 112 387
M-297	2641	DK 7597	NMI 137	HU 870, a Si 18: 613
M-298	0266	DKi 283	NMI 135	ASI
M-299	1381	VS 1753	NMI 136	ASI
M-300	2521	DK 5935	NMI 139	HU 856
M-301	2258	DK 12194	ASI 63.10 139	HU 332
M-302	1380	HR 4952	ASI 63 10 354	HU 423
M-303	2411	DK 5307	NMI 140	HU 1132
M-304	2420	DK 5175	NMI 143	HU 1110, A ASI, a. Si 18 627, a bis & A ter. HU 6x7 9/87
M-305	2235	DK 3884 (o) DK 3882 (t)	ASI 63 10 62	HU 148, a HU 17/87
M-306	2086	DK 12596	NMI 145	HU 886
M-307	2122	DK 11373	ASI 63 10 160	HU 353; a: HU 28/87
M-308	2075	DK 11794	ASI 63 10 388	HU 458, a ASI
M-309	2522	DK 7033	NMI 146	HU 1131
M-310	1355	DK 2869	ASI 63 10 184	HU 839; a HU 70/87
M-311	2347	DK 8203	NMI 141	ASI, a Si 22 452
M-312	2510	DK 8321	NMI 147	HU 892
M-313	2637	DK 5554	ASI 63 10 164	HU 357
M-314	1400	HR 3005	ASI 63 10 366	HU 436
M-315	1395	VS 1190	ASI 63 10 117	HU 310
M-316	2408	DK 8450	NMI 154	HU 1119, a, C, D ASI
M-317	2016	DK 10302	NMI S 1300	HU 1107
M-318	2626	DK 8553	NMI 104	HU 1129, b ASI
M-319	2260	DK 3421	NMI 116	A, C bis, D, E, F HU 858, a FEM pl 87 260, a bis ASI, C Si 14 p 35 275
M-320	2449	DK 7941	NMI 97	HU 1138
M-321	2173	DK 12153	ASI 63 10 159	HU 352, B, C, D HU 396/87
M-322	1192	VS 272	ASI 63 10 110	HU 303
M-323	1277	E 250	NMI 98	HU 919
M-324	1252	HR 2596	ASI 63 10 361	A, B, C HU 430, a, b HU 287/87
M-325	0103	DKi 15	ASI 63.10 56	A, B, D HU 142, a, b HU 111/87
M-326	2405	DK 4161	NMI 89	A, B, C, D, E, F, c bis, d, e bis HU 875, a, b ASI, b bis, c, e Si 14 p 38.287 [see Corr]
M-327	2631	DK 7374	ASI 63 10 61	HU 147
M-328	2108	DK 12318 (1)	ASI 63 10 355	HU 405
M-329	1477	C 2631	ASI 63 10 330	HU 400
M-330	1475	E 904	NMI 25	HU 921
M-331	1471	HR 2240	NMI 155	HU 1137
M-332	0141	DKi 808	ASI 63 10 223	HU 216
M-333	0293	DK 7180	ASI 63.10.170	HU 363
M-334	2737	DK 7926	MDS	HU 1367
M-335	0777	DK 7625	PTN Arch 9822	HU 1321
M-336	2037	DK 10763	PWM 2061	HU 1398, a Si 22 446
M-337	0300	DK 8052	ASI 63 10 168	HU 361
M-338	2586	DK 8213	ASI 63 10 336	HU 406
M-339	2017	DK 10511	NMI 169	HU 925, a ASI
M-340	1506	HR 6147	ASI 63 10 380	HU 450
M-341	0507	DK 10248	ASI 63 10 225	HU 218
M-342	0778	HR 2739 (2)	ASI 63 10 412	HU 487
M-343	1513	VS 1960	ASI 63 10 224	HU 217
M-344	0511	DK 11293	NMI 168	HU 903
M-345	0546	HR 5557	ASI 63.10 400	HU 471
M-346	1502	HR 5571	NMI 22	HU 929
M-347	1510	HR 5628	ASI 63 10 377	HU 447
M-348	1509	HR 6163	NMI 170	HU 923
M-349	0522	DK 750	ASI 63 10 167	HU 360
M-350	1516	HR 1	NMI 167	HU 926
M-351	0139	DKi 716	NMI 166	HU 918, a: ASI
M-352	2152	DK 3615	NMI 165	HU 881
M-353	2479	DK 7313	NMI 125	HU 1118
M-354	1403	D 262	NMI 15	HU 912
M-355	2654	DK 9134	NMI 159	HU 915
M-356	1406	DM 255	ASI 63 10 226	A Si 11 p 38 320, A bis HU 219, a Si 12 p 60 529
M-357	1401	HR 2023	NMI 14	A ASI, a HU 914
M-358	2297	DK 4546	ASI 63 10 177	HU 370
M-359	2325	DK 7048	NMI 156	HU 894
M-360	0010	DKB 1115	ASI 63 10 171	HU 364, a: 399/87
M-361	2101	DK 11378	NMI 160	HU 911
M-362	1466	DK 1291	ASI 63 10 181	A HU 64/87, a HU 836
M-363	1469	HR 3689	ASI 63 10 375	HU 445, a 280/87
M-364	1465	VS 2100	ASI 63 10 180	HU 835; a Si 13 32
M-365	2273	DK 4604	ASI 63 10 174	HU 367
M-366	2077	DK 3957	ASI 63 10 183	A HU 838, a, C, E HU 67/87
M-367	2044	DK 11625	ASI 63 10 212	A, a HU 205, B, C, E ASI
M-368	2336	DK 5471	ASI 63.10 196	A, a HU 187, C, E ASI
M-369	2537	DK 7172	NMI 158	HU 898
M-370	2138	DK 4181	ASI 63 10 175	HU 368
M-371	2461	DK 7349	NMI 157	HU 895
M-372	1438	E 1095	NMI 71	HU 899
M-373	2043	DK 10101	ASI 63 10 190	A: HU 845, a HU 74/87, C ASI
M-374	2097	DK 11375	ASI 63 10 179	A HU 834
M-375	1468	HR 4285	ASI 63 10 373	HU 443
M-376	1426	HR 1574	ASI 63 10 374	HU 444 a Si 12 p 61 532
M-377	0153	DKi 1049	ASI 63 10 188	ASI
M-378	1402	HR 6187	ASI 63 10 379	HU 449
M-379	2159	DK 3540	ASI 63 10 189	HU 844, a HU 75/87
M-380	2470	DK 5708	ASI 63 10 172	HU 365
M-381	2162	DK 4794	ASI 63.10 210	HU 203, a ASI
M-382	1437	C 554	ASI 63 10 233	HU 226
M-383	2240	DK 8265	ASI 63 10 182	HU 837, a HU 68/87
M-384	2302	DK 3463	ASI 63 10 187	HU 842, a HU 71/87
M-385	2387	DK 6091	ASI 63 10 197	HU 190
M-386	1449	DK 597	ASI 63 10 192	HU 847
M-387	2041	DK 10231	ASI 63 10 209	HU 202
M-388	2200	DK 4379	ASI 63 10 194	HU 849
M-389	2397	DK 4179	ASI 63 10 195	HU 850
M-390	1444	VS 3454	ASI 63 10 207	HU 200
M-391	0104	DKi 60	NMI 161	HU 896
M-392	2046	DK 3530	ASI 63 10 176	HU 369
M-393	2120	DK 10400	ASI 63 10 178	HU 833; a HU 63/87
M-394	2213	DK 12668	ASI 63 10 199	HU 192
M-395	2183	DK 11870	NMI 162	HU 897 [see Corr]
M-396	1421	VS 1082	ASI 63 10 173	HU 366 [see Corr]
M-397	1415	D 114	ASI 63 10 327	HU 397
M-398	2308	DK 5429	ASI 63 10 198	HU 191
M-399	1414	SD 818	ASI 63 10 329	HU 399
M-400	0237	DK 12972	NMI 1279	HU 935, a ASI
M-401	2346	DK 12576	NMI 1280	ASI
M-402	2395	DK 7242	ASI 63 10 200	HU 193
M-403	1410	VS 1681	ASI 63 11 238	HU 784
M-404	1422	HR 6210 (t)	IM Ac 21274, 10383	HU 1328, a HU 6/87
M-405	2221	DK 5559	ASI 63 10 193	HU 848, a HU 77/87
M-406	1399	BJ 9 (t)	IM NS 6049, A 7806, 482/M4	HU 19/87
M-407	2643	DK 9255	NMI 26	HU 893, C ASI
M-408	2100	DK 7995	ASI 63 10 186	HU 841, a Si 22 463
M-409	2699	SD 3162	ASI 63 10 213	HU 206, a Si 15 p 4 459
M-410	2133	DK 8037	ASI 63 10 191	HU 846, B, C, E ASI
M-411	1431	HR 116	ASI 63 10 376	HU 446
M-412	1450	C 656	ASI 63 10 227	HU 220, B, E ASI
M-413	2319	DK 5892	ASI 63 10 211	HU 204
M-414	2004	DK 3431	ASI 63 10 208	HU 201; a ASI [see Corr]
M-415	2500	DK 6844	NMI 130	HU 932, a Si 18 587
M-416	1309	HR 4393	NMI 114	A Si 13.44, a Si 12 p 58 526, A bis, a bis ASI, B HU 931
M-417	1383	E 1886	NMI 75	ASI
M-418	2488	DK 5828	NMI 148	HU 976, a Si 18 604
M-419	2078	DK 10079	NMI 1285	HU 979
M-420	0731	DKi 1073	ASI 49 251 56	HU 1290
M-421	0732	DKi 1134	ASI 49 251 62	HU 1289
M-422	0766	E 1223	ASI 49 251 1457	HU 1291
M-423	2871	DK 9117	ASI	HU 1292
M-424	0785	DK-H 69 (?) H-61 (MD) (o)	ASI 49 251 1821	HU 1293
M-425	0261	??? 35 (o)	NMI 35	HU 965
M-426	2725	DK 12145	ASI 63 10 201	A, B bis, C, D, E, F HU 194 B, E bis ASI, b Si 23 429
M-427	1590	E 444	ASI 63 10 334	HU 404
M-428	1567	C 696	NMI 70	HU 956
M-429	2773	DK 7594	IM 10388 IM A 21273	HU 1330, B Si 18 625
M-430	1627	MUS II	ASI 63 10 343	HU 413
M-431	1584	E 1452	ASI 63 10 332	A Si 13 56, A bis, B HU 402
M-432	1569	E 1450	ASI 63 10 331	A MIC pl 116 9, A bis, B HU 401
M-433	0521	DK 12960	ASI 63 10 232	A Si 22 468, A bis, B HU 225
M-434	0734	???	ASI 63 10 420	HU 490
M-435	0784	DK 12674	Nagpur	A Curator & Sri I Mahadevan [in Addenda, p 364, see Corr]
M-436	2718	SD 3225?	ASI 63 10 419	HU 489
M-437	2779	DK 4975	NMI 115	HU 941, B E ASI
M-438	0754	DK 12867	ASI 63 10 229	HU 222 [see Corr]

M-439	2783	DK 7680	MDS	HU 1369
M-440	0526	DK 4567	ASI 63 10 185	HU 840, B, C HU 69/87
M-441	0782	DK 7815	IM A 7706 ?	HU 17/87
M-442	1561	B 426 (t)	NMI 67	A, B ASI, A bis, B bis HU 940
M-443	1623	HR 2739 (1)	ASI 63 10 404	HU 481
M-444	0532	DK 9193	ASI 63 10 293	HU 286, A bis HU 44/87
M-445	2735	DK 8149	ASI 63 10 231	HU 224
M-446	2764	DK 5770	NMI 124	HU 953
M-447	1571	VS 3513	ASI 63.10 205	HU 198
M-448	0753	DK 10352	ASI 63.10 204	HU 197
M-449	2747	DK 12732	ASI 63 10 203	HU 196
M-450	2775	DK 7793	ASI 63 10 222	HU 215
M-451	0007	DKB 960	NMI 131	HU 938
M-452	2765	DK 8377	IM A 7705 IM 10386	HU 13/87
M-453	2774	DK 7991	ASI 63 10.217	HU 210
M-454	1589	DK 210	PWM 2050	A. Si.9 p 11:461, B· Si 13 56, A bis, B bis HU 1391
M-455	1579	E 1449	ASI 63 10 403	HU 468
M-456	0298	DK 7730	ASI 63 10 213	HU 212
M-457	0234	DK 12338	IM A 7708 IM 10390	HU 15/87
M-458	0244	DK 10249	ASI 63.10 339	HU 409
M-459	0228	DK 10100	ASI 63.10 221	HU 214, B ASI
M-460	0730	DK 10257	ASI 63 10.220	HU 213
M-461	2720	DK 10272	PWM 2048	HU 1392
M-462	2832	DK 6707	ASI 63.10 230	HU 223
M-463	2721	DK 11002	MDS	HU 1366 [See Corr.]
M-464	0216	DK 6815	ASI 63 10 215	HU 208 [See Corr]
M-465	0222	DK 7830	MDS	HU 1365
M-466	0774	DK 10892	PWM 2049	HU 1395
M-467	0724	DK 5136	PTN Arch 9824	A: Si 22:454, A bis, B HU 1318
M-468	0250	???	NMI S-1298	HU 954
M-469	2743	DK 3650	NMI 1278	HU 955
M-470	2726	DK 12270	ASI 63 10.216	HU 209
M-471	0236	DK 12742	ASI 63 10.218	HU 211
M-472	1575	HR 4805 (o) HR 4505 (t)	NMI 1281	ASI
M-473	2758	DK 3949	ASI 63 10 214	HU 207
M-474	0433	VS 1900 (2)	ASI 63 10.292	A ASI, A bis, B HU 285
M-475	0733	???	ASI 49 255.224 ASI 63 10 399	HU 472
M 476	0684	DK 9014	PWM 2054	HU 1396
M-477	2754	DK 9073	ASI 63.10 206	HU 199, C ASI
M-478	2728	DK 10237	IM A 22917 IM 10387	HU 22/87
M-479	0728	DK 10078	PWM 2056	HU 1400
M-480	0230	DK 11618	MDS	HU 1364
M-481	2756	DK 8285	NMI 153	A, B bis ASI, B, C, D, E, F, a, b HU 966
M-482	1580	E 2500	NMI 69	ASI
M-483	2778	DK 9109	ASI 63 10 202	A, B ASI, A bis, B bis, C, E HU 195
M-484	2772	DK 8252	ASI 63 10.338	A Si.21 p 2.216; A bis, B HU 408
M-485	0781	C 583	IM NS 5543	HU 1359
M-486	1585	HR 3766	NMI 1282	A, C bis, a, b, c· HU 958, B, C ASI
M-487	2762	DK 9338	PWM 2055	HU 1394
M-488	2717	SD 3089	NMI 150	A, C· ASI, B, a, b, c HU 975
M-489	1574	MUS 4	NMI 68	A, B, C ASI, a, b, c HU 968
M-490	1565	HR 1443	NMI 152	HU 957, B+C SI 13 52
M-491	1568	HR 1546	ASI 63 10.406	A Si 13:56, B+C. Si.8 p 78· 448, A bis, B, a HU 479
M-492	2746	DK 8120	NMI 151	A ASI, B, C HU 961
M-493	2753	DK 7846	NMI 1284	A· ASI, A bis, B, C HU 960
M-494	1583	E 1517	PWM 2057	A: Si.13 54; B+C Si 13 53; E+G Si 9 p 3 453, A bis, G+B, B+C, E, F HU 1393
M-495	2757	DK 6417	NMI 163	A, B, G+B ASI, A bis, B bis, G, G+B bis, a, b, g HU 969
M-496	1525	E 1261	PWM 2052	HU 1397
M-497	2833	DK 6035	PTN Arch. 9823	HU 1319 [See Corr]
M-498	0518	DK 12670	MDS	HU 1368
M-499	1524	B 594	ASI 63 10 413	HU 486
M-500	2604	DK 7810	NMI 149	A, B, a bis, b bis ASI, a, b Si 18 590
M-501	1412	E 2039	MDS	HU 1363
M-502	0423	DK 10683	ASI 63 10 253	ASI
M-503	0424	DK 10695	ASI 63 10 263	HU 256
M-504	0429	DK 4318	NMI 47	HU 1104
M-505	1592	VS 2613	ASI 63 10 257	ASI
M-506	0676	HR 4525	ASI 63 10 396	A Si 12 p 52 514, B: Si 12 p 52 513; A bis, B bis: HU 462
M-507	0427	DK 11287	NMI 52	HU 1413
M-508	0428	DK 11499	NMI 43	HU 1101
M-509	0421	DK 4069	ASI 63 10 270	HU 263
M-510	0420	DK 4067	ASI 63 10 271	HU 264
M-511	2808	DK 4143	NMI 51	HU 1096
M-512	2809	DK 3962	NMI 46	HU 1085
M-513	0404	E 814	ASI 63 10.279	HU 272
M-514	0407	C 2248	ASI 63.10 287	HU 280
M-515	0406	DK 9152	ASI 63 10 265	Yule 1982 4 4-5
M-516	0340	VS 2590	ASI 63 10 282	A, B bis· HU 275, B· Si 12 p. 50 510
M-517	0341	DK 9015	ASI 63 10 245	A· HU 238, B ASI
M-518	0470	DK 11003	ASI 63 10.250	HU 243
M-519	1600	HR 2984	NMI 53	HU 1090
M-520	2819	DK 4235	NMI 50	HU 1077
M-521	0399	???	ASI 63.10.291	HU 284
M-522	0342	HR 4615	NMI 66	HU 1086
M-523	1604	HR 4573	ASI 63 10.235	HU 228
M-524	0304	VS 1104	ASI 63 10.240	ASI
M-525	1603	L 982	NMI 39	HU 1078
M-526	0371	DK 5737	ASI 63.10 276	HU 269
M-527	0316	DK 9169	ASI 63 10 309	HU 379
M-528	0307	E 2181	NMI 64	HU 1092
M-529	0305	VS 1900 (1)	ASI 63.10.234	HU 227
M-530	0742	DK 12829	ASI 63.10 407	HU 478
M-531	0314	E 1092	ASI 63.10.303	HU 373
M-532	0306	DK 11146	ASI 63.10.264	Yule 1982.4:2-3
M-533	0474	VS 58	ASI 63.10.273	HU 266
M-534	0349	DK 151	ASI 63 10 308	HU 378
M-535	0347	DK 12514	ASI 63.10 278	HU 271
M-536	0353	DK 3334	ASI 63 10.261	HU 254
M-537	1595	DK 1606	ASI 63.10.244	ASI
M-538	0345	SD 1758	ASI 63.10 307	HU 377
M-539	0346	DK 12223	IM A 21275 IM 10392	HU 1331; A bis, B bis· HU 26/87
M-540	0765	DK 11029	PTN Arch 9822	HU 1317 [In Addenda, p. 364, see also Corr.)
M-541	0352	DK 7871	ASI 63 10.243	HU 236
M-542	0350	DK 5440	ASI 63.10.259	HU 252
M-543	0381	DKi 838	NMI 56	HU 1080
M-544	0382	DKC 153	NMI 61	HU 1088
M-545	0379	B 103	ASI 63 10.304	HU 374
M-546	0378	SD 1200	ASI 63.10.238	HU 231
M-547	0387	DK 46	NMI 45	HU 1103
M-548	0388	DK 501	NMI 40	HU 1097
M-549	0674	HR 2676	ASI 63.10.395	HU 463
M-550	0302	DK 11307	ASI 63 10.262	A: ASI; B: HU 255
M-551	1598	VS 1988	NMI 41	HU 1099
M-552	0321	DK 1023	NMI 55	HU 1082
M-553	0332	DK 12001	ASI 63.10.266	A HU 259; B: Yule 1982 4:6
M-554	1602	HR 4337 (1)	NMI 58	HU 1102
M-555	0324	DK 3409	ASI 63 10.267	HU 260
M-556	0338	???	ASI 63.10.256	ASI
M-557	0337	DK 10146	ASI 63 10.288	HU 281
M-558	0322	DK 10175	ASI 63.10.272	HU 265
M-559	2812	DK 3447 (1)	ASI 63.10 252	ASI
M-560	0319	SD 3009	ASI 63.10 239	Yule 1982.2·20-21
M-561	0334	DK 10141	ASI 63.10 283	HU 276
M-562	0336	DKi 798	ASI 63.10.251	ASI; B. Yule 1982
M-563	0335	HR 5549	ASI 63 10 237	HU 230
M-564	0667	HR 723	ASI 63 10.394	HU 464
M-565	0333	VS 6058	ASI 63 10.242	A ASI, B HU 235
M-566	0323	DKi 715	ASI 63 10.248	HU 241
M-567	0365	DK 4225	ASI 63.10.246	ASI
M-568	0366	DK 7874	ASI 63.10.274	A ASI, B: HU 267
M-569	0744	HR 1401	ASI 63 10 393	HU 465
M-570	0370	E 1246	ASI 63 10.289	HU 282
M-571	2816	DK 4408	NMI 59	HU 1093
M-572	0416	DK 3694	NMI 49	HU 1079
M-573	0415	???	NMI S-65	HU 1091
M-574	0414	DK 3931	ASI 63.10 284	HU 277
M-575	0391	DK 3577	NMI 48	HU 1081
M-576	0396	DK 10596	ASI 63 10.306	ASI
M-577	0394	DK 10707	ASI 63.10 268	A, B: Yule 1982 4 11-12, A bis, B bis· HU 261
M-578	2811	DK 4209	NMI 62	A· Si 20 p.73:186; B. Si 20 p 74 188, A bis, B bis: HU 1098
M-579	0397	VS 1959 (2)	ASI 63 10 277	HU 270
M-580	0738	DK 4089	ASI 63.10 421	HU 491
M-581	0389	DK 10142	ASI 63 10 290	HU 283
M-582	0359	DKi 488	NMI 60	HU 1100
M-583	0357	SD 3032	ASI 63 10.269	HU 262
M-584	0779	DK 4807	NMI 57	HU 1083
M-585	0358	E 2215	ASI 63.10 275	HU 268
M-586	0355	???	ASI 63.10 280	HU 273
M-587	0356	E 825	ASI 63.10 254	HU 247
M-588	1606	VS 1406	NMI 44	HU 1089
M-589	0467	F 42	ASI 63 10.247	HU 240
M-590	0473	DK 4974	ASI 63.10.260	HU 253
M-591	0475	???	ASI 63 10.300	HU 293
M-592	0749	SD 3225	ASI 63.10 416	HU 483
M-593	0443	DK 10045	ASI 63.10 249	ASI
M-594	0434	DK 1378	ASI 63 10.255	A: Si.12p.50:509; B: Si 12 p.50 510; A bis, B bis: ASI
M-595	deleted, see vol. 2			
M-596	0437	DK 3352	ASI 63 10.286	HU 279
M-597	0441	DK 10425	ASI 63 10.258	HU 251
M-598	0439	???	ASI 63 10.298	HU 291
M-599	0450	DKi 726	ASI 63 10.236	HU 229; B· ASI
M-600	0745	HR 3290	ASI 63 10.398	HU 473
M-601	0465	DK 10121	ASI 63 10.285	HU 278
M-602	0750	E 214-215?	ASI 63 10.422	HU 492
M-603	0746	HR 3504	ASI 63.10 397 ASI 63.11 5 (o)	HU 461

M-604	0460	DK 3447	ASI 63 10.241	HU 234, B Yule
M-605	2805	DK 4346	NMI 63	HU 1095
M-606	2821	DK 5421	NMI 42	HU 1094
M-607	0446	DK 1811	ASI 63.10 281	HU 274
M-608	0468	DK 5093	ASI 63.10 305	HU 375
M-609	0469	DK 1731	ASI 63.10 302	HU 372
M-610	0479	???	ASI 63.10 295	HU 288
M-611	0480	???	ASI 63.10.299	HU 292
M-612	0481	???	ASI 63 10.296	HU 289
M-613	0482	DK 7630	ASI 63 10.297	HU 290
M-614	1618	VS 1026	NMI	Si 9 p.32 3640
M-615	0767	DK 9360	ASI 49.251 731	HU 1151
M-616	0769	DK ???	NMI	HU 1150
M-617	0768	SD 1759	NMI	HU 1148
M-618	0770	DK 9771	ASI	HU 1295
M-619	2716	SD 3055	NMI 2653ab	HU 1409
M-620	0780	???	DC Pune	HU 1385
H-1	3010	Ac 106	IM A 21204 IM 11081	A. Pu.37.670; A bis HU 1322, a: Pu.37 665; a bis HU 1/87
H-2	3012	5880	ASI 80.2.5.	A: ASI; a HU 725
H-3	3002	1056	ASI 80 2.1.	HU 721
H-4	3693	12751	ASI 80.2.35	HU 755; a: ASI
H-5	3004	P I 42	ASI 80.2.2	HU 722
H-6	3006	P I 39	NMI 10	HU 867
H-7	3008	P I 41	ASI 80.2.3	HU 723
H-8	3001	3716	ASI 63.11.235	A: Pu.36 p.6:3878, A bis HU 718; a: HU 51/87
H-9	3009	115	ASI 80.2.4	HU 724; a: HU 52/87
H-10	3003	P I 40	NMI 1	HU 1142
H-11	3038	3772	ASI 63.11.112	HU 597
H-12	3005	116	ASI 63.11 114	HU 599
H-13	4115	12995	NMI 4	HU 866
H-14	3106	J 579	NMI 3	HU 857
H-15	3053	781	ASI 63.11 99	HU 584; a: Pu 37
H-16	3058	P II 82	ASI 63 11.100	HU 585
H-17	3052	11369	ASI 63.11.118	HU 603
H-18	3071	10142	ASI 63.11.27	HU 512; a: ASI
H-19	3694	H 611	ASI 63.11.111	HU 596
H-20	3019	3170	ASI 80.2.9	HU 729; a: HU 53/87
H-21	3022	3725	ASI 80.2.10	HU 730
H-22	3023	180	NMI 9	HU 1123
H-23	3047	12414k	ASI 63.11 115	HU 600
H-24	3013	8718	ASI 80.2 6	HU 726, a. HU 54/87
H-25	3081	11942	NMI 2	HU 1124
H-26	3016	145	ASI 63.11.110	HU 595
H-27	3017	3545	ASI 80.2.7	HU 727
H-28	3040	10740	ASI 63.11.108	HU 593
H-29	3042	B(9)7	ASI 80 2.36	HU 756
H-30	3049	332	ASI 63.11.28	HU 513
H-31	3103	J 46	ASI 80.2 15	HU 735
H-32	3018	5083	ASI 80.2 8	HU 728; a: ASI
H-33	4132	13529	ASI 63.11 177	A: HU 661; a: ASI
H-34	3048	2097	ASI 63.11.104	A: HU 589; a Pu 51 p.12 3041, a bis· ASI
H-35	4160	14157	ASI 63.11.188	HU 672, a: ASI
H-36	3113	J 500	ASI 80.2.16	HU 736
H-37	3031	12561	ASI 63.11.105	HU 590
H-38	3029	1842	ASI 80 2.12	HU 732
H-39	3104	J 273	ASI 63.11 127	HU 612
H-40	3072	10011	ASI 80.2.13	HU 733
H-41	3178	11837	ASI 63.11 38	HU 523
H-42	3057	1240	ASI 63.11.29	HU 514
H-43	3077	10927	ASI 80 2 14	HU 734
H-44	3028	12493	ASI 80 2.11	HU 731
H-45	3043	7663	ASI 63.11.119	HU 604
H-46	3076	1697	ASI 63.11 109	HU 594, a: HU 47/87
H-47	3030	868	NMI 7	HU 865
H-48	3091	P II 53	ASI 63.11 107	HU 592
H-49	3133	11630	NMI 5	HU 1115
H-50	3131	J 548	ASI 63 10.319	HU 389
H-51	3090	10185a	ASI 63 11 117	HU 602
H-52	3109	12139	ASI 63 11.22	HU 507
H-53	4212	4189	IM A 21399	HU 1324; a HU 2/87
H-54	3085	A 214	ASI 63.11 156	HU 640, a: ASI
H-55	3107	3757	ASI 63.11.23	HU 508
H-56	3110	3482	ASI 63 11.24	HU 509
H-57	3086	Af 9	ASI 63.11.195	HU 679
H-58	3105	A 336	ASI 63 11 26	HU 511
H-59	4586	???	ASI 63 11 197 ASI 49.255.198	HU 681
H-60	4172	???	ASI 63.11 171 ASI 49.255.195	HU 655
H-61	3118	12537	ASI 80 2 17	HU 737
H-62	3128	1500	ASI 80.2 19	HU 739
H-63	3142	3803	ASI 80 2 21	HU 741, a. ASI
H-64	3125	1009	ASI 63 11 20	HU 505
H-65	3094	10061	ASI 63 11.113	HU 598
H-66	3130	517	ASI 63 11.21	HU 506
H-67	3115	1265	ASI 63 11.106	HU 591
H-68	3141	11849	ASI 63 11 141	HU 625
H-69	3146	2532	ASI 63 11 150	HU 634
H-70	3122	4015	ASI 80 2 18	HU 738
H-71	4112	12971	ASI 63 10 341	HU 411
H-72	3120	P II 71	ASI 63 11 25	HU 510
H-73	3617	12002	NMI 6	A ASI; a HU 907
H-74	3135	B 234	ASI 80 2 20	HU 740
H-75	3161	2962	ASI 80 2 22	HU 742
H-76	3241	8650a	ASI 80 2 29	HU 749, a HU 58/87 [See Corr]
H-77	3242	2333	ASI 63 11 95	HU 580
H-78	3244	1872	IM A 22433 IM 11079	HU 1333, a Pu 50 p 80 3007
H-79	4133	13537	ASI 63 11 175	HU 659
H-80	3245	J 361	NMI 11	HU 1136
H-81	4138	13613	ASI 63 11.173	HU 657
H-82	3238	4042	ASI 80 2 27	A ASI, a HU 49/87
H-83	3236	4299	ASI 80 2 26	HU 746, a Pu 39 p 65 4154
H-84	3234	10995	ASI 63 11 96	HU 581
H-85	3232	11078	IM A 22432	HU 1334; a Pu 41 4392 [See Corr]
H-86	3233	9080	ASI 80 2 25	HU 745, a HU 50/87
H-87	3240	627	ASI 80.2 28	HU 748
H-88	3253	5534	ASI 80.2.32	HU 752, a HU 57/87
H-89	4595	13397	ASI 80 2 37	HU 757
H-90	3227	7786	NMI 12	HU 873
H-91	3230	3771	IM A 21203, 11080	HU 1327, a HU 4/87
H-92	3229	10185b	ASI 80.2 23	HU 743, a ASI
H-93	3231	12747	ASI 80 2 24	HU 744
H-94	3246	11110	ASI 80 2 30	A ASI, a HU 750
H-95	3568	J 337	ASI 80 2 34	HU 754
H-96	3249	5211	ASI 80 2 31	HU 751
H-97	3251	113	ASI 80 2 59	HU 779
H-98	3256	10102	ASI 80 2 33	HU 753
H-99	3223	2125	ASI 63 11 120	HU 605
H-100	3258	3130	ASI 63 11 97	HU 582, a Pu 50 p 80 3007
H-101	4142	13692	ASI 3 11.184	HU 668
H-102	4582	13341	ASI 63.11 176	HU 660
H-103	3254	2789	ASI 63 11 116	A· ASI; a, B, C, D, E, F HU 601
H-104	4612	12890	NMI 21	HU 1143
H-105	3398	11931	ASI 63 11 58	HU 543
H-106	3851	4226	ASI 63 11 61	HU 546
H-107	4593	???	ASI 63 11 229	HU 712
H-108	4594	2927g	ASI 63.11 234	HU 717
H-109	3399	271	ASI 63 11 50	HU 535
H-110	3396	2545	ASI 63 10337	HU 407
H-111	3838	5639	ASI 63 11 60	HU 545
H-112	3848	A 816	IM A 21276, IM 11494	HU 1329, a HU 9/87
H-113	4592	???	ASI 63 11 228 ASI 49 255 221	HU 711
H-114	4152	13806	ASI 63 11.212	HU 696
H-115	4129	13372	ASI 63 11 181	HU 665
H-116	3842	12098 (1)	ASI 63 11 152	HU 636
H-117	3843	12098 (2)	ASI 63 11 123	HU 608
H-118	3397	5420	ASI 63 11 49	HU 534
H-119	3389	4846	ASI 63 11 53	HU 538
H-120	4158	14056	NMI 23	ASI
H-121	4159	14064	ASI 63 11 190	HU 674
H-122	4505	14268	ASI 63 11 186	HU 670
H-123	3834	5788	ASI 63 11 221	HU 704
H-124	3400	Ab 43	NMI 24	HU 1144
H-125	3395	B 1114	NMI 47	HU 890
H-126	3981	P II 86	ASI 63 11 201	HU 685
H-127	3393	7582	ASI 63 11 52	HU 537
H-128	3388	4156	ASI 63 11 57	HU 542
H-129	3269	Ab 130	ASI 80 2 38	A Pu 37 680, a Pu 37 p 22 666, A bis, a bis, B, E HU 758
H-130	4202	12889	ASI 80 2 55	HU 775 [See Corr]
H-131	3271	7354	ASI 80 2 42	HU 762, a HU 46/87
H-132	4109	12881	NMI 16	HU 913
H-133	3261	8360	ASI 63 11 36	HU 521, a ASI
H-134	3264	5436	IM A 21392, IM 11082	HU 1323, a HU 5/87
H-135	3270	114	ASI 80 2 41	HU 761
H-136	3288	D 38	ASI 63 10 333	A Pu 31 p 16 3394, A bis, a, C, E HU 403
H-137	4203	13487	ASI 63.10 417	HU 482
H-138	4143	13737	ASI 63 11 182	HU 666
H-139	3267	5542	ASI 80 2 39	HU 759
H-140	3268	4058	ASI 80 2 40	HU 760
H-141	3274	Ab 553	ASI 80 2 44	A Pu 31 p 16 3395. A bis HU 764, a Pu 37 p 22 666, a bis ASI
H-142	3272	P I 2	ASI 80 2 43	HU 763
H-143	4061	XXXI 21	ASI 63 11 126	HU 611; a ASI
H-144	3280	2187	ASI 80 2 46	HU 766
H-145	4141	13686	ASI 63 11 174	HU 658, E ASI
H-146	3628	H 637 ??	ASI 80 2 53	HU 773
H-147	3629	4937	ASI 80 2 56	HU 776, a ASI
H-148	3285	4396	ASI 80 2 50	HU 770
H-149	3275	Ab 922	ASI 63 11 37	HU 522
H-150	3283	21	ASI 80 2 48	HU 768
H-151	4130	13418	ASI 63 11 185	HU 669, a ASI
H-152	4580	600	ASI 63 11 239	HU 783
H-153	3627	12752	ASI 80 2 52	HU 772
H-154	3282	8350	ASI 80 2 47	HU 767
H-155	3630	H 605	ASI 63 10 328	HU 398
H-156	4208	12784	ASI 63 11 237	HU 720

H-157	3284	581	ASI 80.2 49	HU 769
H-158	3297	H 80	ASI 80 2 51	HU 771
H-159	3633	10420	ASI 80 2.54	A, C: ASI; A bis, a· HU 774
H-160	3276	2630	ASI 80 2.45	A, a, B, C bis, c, E HU 765,
				C ASI
H-161	3262	4935	ASI 80 2 57	HU 777
H-162	3294	1259	ASI 63 11.139	HU 623
H-163	3248	1380	ASI 80.2.58	A: Pu 36 p 13:3888;
				A: HU 778
H-164	3920	11442	ASI 63 11.170	HU 654
H-165	3278	11649	ASI 80 2 61	HU 781, E, F· ASI
H-166	3255	85	ASI 80.2 60	HU 780; b ASI
H-167	4342	470a	ASI 49.260.239	HU 1288
H-168	4125	13201	ASI 63.11 172	HU 656
H-169	4191	14363	NMI 1295	HU 946, B: ASI
H-170	3701	8150	ASI 63.11 39	HU 524
H-171	3312	Af 22	ASI 63.11 71	HU 556
H-172	4060	XXXII 22	ASI 63 11 144	HU 628
H-173	3333	4309	ASI 63 11 157	HU 641
(i e 3338, cf H-174)				
H-174	3338	J 478	ASI 63.11 130	HU 615
(i e 3333, cf H-173)				
H-175	3319	12721	ASI 63 11 169	A, B bis HU 653, B ASI
H-176	3303	11466	NMI 31	A, B: ASI;
				A bis, B bis, a, b HU 964
H-177	3316	G 107	ASI 80 2 62	HU 782
H-178	3318	7483	ASI 63 11 69	A, B ter, C, D, E, F HU 554;
				B, B bis ASI
H-179	3307	2410	NMI 30	A ASI, B HU 974
H-180	3304	649	NMI 32	HU 963
H-181	3308	8650g	NMI 34	HU 951
H-182	3306	201	NMI 33	HU 962
H-183	3327	12415a	ASI 63 11.134	HU 619
H-184	4602	3333	ASI 63 11 158	HU 642, B ASI
H-185	4486	13591	ASI 63 11 218	ASI
H-186	3329	4129	ASI 63 11 32	HU 517
H-187	4140	13668	NMI 36	HU 971
H-188	3325	5617	ASI 63.11 133	HU 618
H-189	3341	10103	NMI 1287	ASI
H-190	3323	7098	IM A 22444	HU 1336
			IM 11098	
H-191	3332	J 10	ASI 63 11 66	HU 551
H-192	4565	11244?	ASI 63 11 33	A, B: ASI;
				A bis, B bis, D· HU 518
H-193	4560	???	ASI 63 11 222	A ASI, A bis, B HU 705
			ASI 49 255 212	
H-194	4600	8640	ASI 63.11 34	HU 519
H-195	4590	49 255 209?	ASI 63.11 226	HU 709, B ASI
H-196	3309	2262	ASI 63 11 72	A, B ASI, A bis, B bis HU 557
H-197	4561	???	ASI 63.11 224	HU 707
			ASI 49 255 211	
H-198	4195	???	ASI 63 11 198	HU 682
			ASI 49 255 210	
H-199	3802	2993	ASI 63 11 232	A ASI, B HU 715
H-200	3321	80	ASI 63 11 168	HU 652
H-201	4151	13805	ASI 63 11 74	HU 559
H-202	4175	49 255213	ASI 63 11 199	HU 683
H-203	3916	615 (o)	ASI 63 10 228	HU 221
		1615 (t)		
H-204	3830	G 113	IM A 8079	ASI
			IM 11091	
H-205	3833	3581 (1)	ASI 63 11 68	HU 553
H-206	3345	J 462	ASI 63 11 214	HU 698
H-207	4164	14350	ASI 63 11 189	HU 673 [See Corr]
H-208	4555	14333	ASI 63 11 191	HU 675, B ASI [See Corr]
H-209	3348	10242	ASI 63 11 67	HU 552
H-210	3355	J 494	ASI 63 11 122	HU 607
H-211	4553	13419	ASI 63 11.220	ASI
H-212	3357	3890	ASI 63 11 31	HU 516
H-213	4116	13011	ASI 63 11 208	HU 692
H-214	3684	1032	ASI 63 11 213	HU 697
H-215	4120	13155	ASI 63 11 178	HU 662
H-216	4192	???	ASI 63 11 200	HU 684
			ASI 49.255 216	
H-217	4562	???	ASI 63 11.225	HU 708
			ASI 49 255 218	
H-218	4554	14063	ASI 63 11.187	HU 671
H-219	4113	12952	ASI 63 11 207	HU 691
H-220	4188	11773 (?)	NMI 1294	HU 1106
		H 773 (?)		
H-221	4187	11583	NMI 38	HU 970
H-222	4564	???	ASI 63 11 194	HU 678
			ASI 49 255 225	
H-223	4189	G 292	NMI 1293	HU 1109
H-224	4190	12906	NMI 1296	HU 1105
H-225	4186	2165	NMI 1297	HU 1108
H-226	3803	1791 (1)	ASI 63 11 70	HU 555
H-227	3322	2867	IM A 22434	HU 1335
H-228	3805	1791 (2)	ASI 63 11 167	HU 651
H-229	3674	5974	ASI 63.11 101	HU 586
H-230	3812	9059	NMI 1289	HU 945
H-231	3673	11381	ASI 63 11 14	HU 499
H-232	3368	H 550	NMI 18	ASI
H-233	3387	12544	ASI 63 11 16	HU 501
H-234	4080	12278	ASI 63 11 10	HU 495
H-235	4591	???	ASI 63.11.227	HU 710
			ASI 49 255 220	
H-236	3658	12380	NMI 1290	ASI
H-237	4563	???	ASI 63.11.223	HU 706
			ASI 49.255.219	
H-238	4105	12781	NMI 20	ASI
H-239	3386	3855	NMI 19	A. Pu.; A bis, B: ASI;
				A ter: HU 944
H-240	3657	A 233	ASI 63.11.41	HU 526
H-241	3663	11341	ASI 63.11.11	HU 496
H-242	3317	8716	ASI 63.11.73	HU 558
H-243	3664	H 8650d	NMI 1292	ASI ?
H-244	3665	11449 (2)	ASI 63.11.42	HU 527
H-245	3702	H 297	ASI 63.11.40	A: ASI; A bis, B: HU 525
H-246	4498	13689	ASI 63.11.216	ASI
H-247	3372	726	NMI 1286	ASI
H-248	3371	12538	ASI 63.11.215	A, a: ASI; A bis, B: HU 699
H-249	3374	11027	IM A 22919	HU 1338
			IM 11092	
H-250	3826	2900	ASI 63.11.121	HU 606
H-251	3342	8800	NMI 1288	A, B, C: ASI; a, b, c: HU 949
H-252	4527	G 256/4	ASI 63.11.162	HU 646, A bis, B bis: ASI
H-253	4531	G 256	NMI 183	HU 978; A bis, B bis: ASI
H-254	4526	G 256/3	ASI 63.11.161	HU 645; A bis, B bis: ASI
H-255	4521	G 8/2	ASI 63.11.166	HU 650, A bis, B bis: ASI
H-256	4525	G 256/2	ASI 63.11.160	HU 644; A bis, B bis: ASI
H-257	4528	G 256/5	ASI 63.11.163	HU 647; A bis, B bis: ASI
H-258	4529	G 256/6	ASI 63.11.164	HU 648; A bis, B bis: ASI
H-259	4530	G 256/7	ASI 63.11.165	HU 649; A bis, B bis: ASI
H-260	4537	G 256/8	ASI 63.11.153	HU 637; A bis, B bis: ASI
H-261	4524	G 256/1	ASI 63.11.159	HU 643; A bis, B bis: ASI
H-262	4532	G 256	IM A 21199	HU 1326
			IM 11096	
H-263	4103	G 256	NMI 37	ASI
H-264	4183	G 58	ASI 63.11.155	HU 639
H-265	4184	G 80	NMI 182	ASI
H-266 to H-275· see Vol. 2.				
H-276	4543	G 256	PWM 1703	HU 1399
H-277	4182	G 8/1	ASI 63.11.154	A: ASI; B: HU 638
H-278	3820	Af 29	IM A 8080	HU 11/87
			IM 11097	
H-279	3817	4261	NMI 28	HU 972
H-280	3335	1201	ASI 63.11.137	A: Pu.35 p.67·3850;
				A bis, B: HU 621
H-281	3336	4531	ASI 63.11 135	HU 620
			ASI 49.255.302	
H-282	3822	768	NMI 27	A: ASI; B: HU 981
H-283	4551	13429	ASI 63.11.138	ASI
H-284	3818	1123	NMI 29	ASI
H-285	2406	J 581	ASI 63.11.56	A, a: ASI; B: HU 541
H-286	3429	10359	ASI 63.11.93	HU 578
H-287	3430	1234	ASI 63.11.92	HU 577 [See Corr.]
H-288	4572	10086	ASI 63.11.203	HU 687
H-289	3862	8650h	ASI 63 11.90	HU 575
H-290	3439	11372	ASI 63.11.91	HU 576
H-291	3440	11450	ASI 63.11 87	HU 572, a. ASI
H-292	3443	10069	ASI 63.11 18	HU 503
H-293	3441	1498	ASI 63.11 88	HU 573
H-294	3442	11928a	ASI 63 11.89	A: Pu.51 3014;
				A bis, B, a, b· HU 574
H-295	3505	10226	ASI 63.11 83	A: ASI, B, a, b. HU 568
H-296	3457	12534 (1)	ASI 63.11 30	HU 515
H-297	4176	???	ASI 63.11 193	HU 677
			ASI 49.255.199	
H-298	4122	13177	ASI 63.11 98	HU 583
H-299	3478	11756	ASI 63.11 142	HU 626
H-300	3454	2868	NMI 13	HU 937
H-301	3450	3758	ASI 63.11 82	A: PU.37 673; B: Pu.37 674;
				A bis. HU 567,
				B bis: Pu.36 p.4 3875
H-302	3864	8650c	ASI 63.11 94	ASI
H-303	3444	11291	ASI 63.11 102	HU 587
H-304	3994	J 235	ASI 63.11 129	HU 614
H-305	4153	13833	ASI 63.11 180	HU 664
H-306	4126	13270	ASI 63.11 183	HU 667
H-307	3873	1963	ASI 63 11 125	HU 610, B: ASI
H-308	3874	2569	PWM 1700	A: Pu.35 p.80·3870;
				B. HU 1388
H-309	3876	2056 (1)	ASI 63 11.146	HU 630
H-310	4127	13280	ASI 63 11.179	HU 663; B: ASI
H-311	3878	2356	ASI 63 11.65	HU 550; B: ASI
H-312	3882	2483	ASI 63 11.12	A: Pu.35 p.80:3870; A bis, B.
				HU 497
H-313	3888	2648	ASI 63.11.145	HU 629
H-314	3884	3091	ASI 63.11 147	A Pu.35 p.80:3870; A bis, B:
				HU 631
H-315	3890	10185c	ASI 63.11 80	HU 565
H-316	4596	1261	ASI 63 11.124	HU 609
H-317	3883	3025 (2)	ASI 63 11.230	A. Pu.35 p.80:3870; B: Pu 36:
				3871; A bis, B bis: HU 713
H-318	3887	3266	PWM 1702	A: Pu.37:673; B Pu.36·3871
H-319	3544	10060	ASI 63 11.81	HU 566
H-320	3889	3173	ASI 63.11.202	HU 686
H-321	3892	J 575	ASI 63 11.128	HU 613

H-322	4177	???	ASI 63 11.192 ASI 49 255 200	ASI
H-323	3497	10186	ASI 63 11 13	HU 498
H-324	3484	11851	ASI 63.11 103	HU 588
H-325	3416	10361	ASI 63 11.204	A, B ASI, A bis, B bis HU 688
H-326	3564	1171	ASI 63 11 79	HU 564
H-327	4118	13074	ASI 63 11 210	A ASI, B: HU 694
H-328	3415	J 321	ASI 63 11.59	ASI
H-329	4193	???	ASI 63 11 196 ASI 49 255.21	A, B· Pu 41·4395; A bis, B bis: HU 680
H-330	3560	12515	ASI 63 11 77	HU 562
H-331	3422	1203	ASI 63 11 47	A Pu 37 673; A bis, B, E HU 533; C: ASI
H-332	3855	12384	ASI 63.11.9	HU 494
H-333	3421	11268	ASI 63 11.63	A, a. ASI, A bis; B, E· HU 548
H-334	3423	10409	ASI 63 11.48	HU 533, C. ASI
H-335	3425	4179	ASI 63 11 43	HU 528, a: ASI, B: Pu.50 2988
H-336	3424	1654	ASI 63 11 46	HU 531
H-337	3417	2534	ASI 63 11 51	A· ASI, A bis, B. Pu 36 p.4· 3874-3875
H-338	3426	11848	ASI 63 11 17	HU 502; B Pu.50 2988
H-339	3559	11305	ASI 63 11 205	A, B· Pu 51:3016-3017, A bis, B bis, a· HU 689, b ASI
H-340	3420	10999	ASI 63.11.64	A, B. EH II, pl 95· 420, A bis, B bis, a. ASI; A ter, B ter: HU 549
H-341	3419	4080	ASI 63 11.19	A Pu 51 p.11 3036, A bis, B, a. HU 504
H-342	3413	9086	ASI 63 11.62	A, a: ASI, A bis, B: HU 547
H-343	3549	Af 113	ASI 63 11 86	HU 571
H-344	3410	9014	ASI 63 11 54	A: Pu.41·4395; A bis, a· ASI; A ter, B· HU 539
H-345	3550	4269	ASI 63 11.85	ASI
H-346	3412	11796	ASI 63.11.55	HU 540
H-347	3414	1423	ASI 63.11 140	A Pu 50:2988; A bis, a: HU 624
H-348	3552	1154g	PWM 1699	A Pu 37 674, A bis, B· HU 1389
H-349	4484	13858	ASI 63.11.219	HU 702
H-350	3576	3534	ASI 63 11 78	HU 563
H-351	3581	2429	ASI 63 11 75	HU 560
H-352	3575	1278	ASI 63 11 84	HU 569
H-353	3899	1348	ASI 63 11.132	HU 617
H-354	4579	1278	ASI 63 11.131	ASI [= H-356, see Corr.]
H-355	3898	1274	ASI 63 11.233	HU 716
[H-356]	4579	1278	ASI 63 11.131	HU 616 (= H-354 A-C bis)
H-357	3901	2917	PWM 1701	A· Pu.35 p 77 3867; A bis, B, C HU 1387
H-358	3579	11390	ASI 63 11 151	A· ASI, A bis, B, C· HU 635
H-359	4597	12540	ASI 63 11 148	HU 632
H-360	3584	3508	ASI 63 11 149	HU 633
H-361	4131	13508	ASI 63 11 211	A· ASI, A bis, B, C HU 695
H-362	4001	11371 (2)	ASI 63 11 143	HU 627
H-363	4117	13030	ASI 63 11 209	A, B bis, C bis, E, F HU 693, B, C ASI
H-364	3635	3897	ASI 63.11.35	ASI
H-365	3541	2981	ASI 63.11.231	A Pu 36 p.4 3875; A bis· Pu 37 673, A ter, B, C, E· HU 714, A quater, a ASI
H-366	3590	8650e	ASI 63 11 76	HU 561
H-367	3401	8148	ASI 63 11.44	HU 529
H-368	3409	12150	ASI 63.11 15	HU 500
H-369	4081	7121	ASI 63 11 8	HU 493
H-370	4607	12908	ASI	HU 1302
H-371	4608	1033a	ASI	HU 1304
H-372	4609	???	ASI	HU 1307
H-373	4613	H 801b	ASI 49.260.70	HU 1287
H-374	3728	10394	ASI 49.260 436	HU 1298
H-375	3725	1898	ASI	HU 1297
H-376	3778	8615	NMI	HU 1149 [See Corr]
H-377	4606	12682	ASI	HU 1296
H-378	4618	???	ASI	AI 16 pl 26.4
H-379	4617	???	ASI	AI 16 pl 1 3
H-380	4601	???	Hardwar Pu.S 62	Yule
H-381	3795	277 F a7	NMI	HU 10/87
H-382	3731	2358	ASI	HU 115/87
L-1	6019	3017	LTH SRG 1256	HU 1047
L-2	6110	5321	LTH SRG 1257	HU 1057
L-3	6196	11806	LTH SRG 1299	HU 992, a ASI
L-4	6046	15163	LTH SRG 1258	HU 1166
L-5	6027	6492	LTH SRG 1307	HU 1059
L-6	6091	5958	LTH SRG 1303	HU 1058
L-7	6200	12276	LTH SRG 1310	HU 1063
L-8	6245	17370 (?)	LTH SRG 2859	HU 1046
L-9	6107	4261	LTH SRG 1317	HU 1004
L-10	6103	3452 (?) 1758 (2) (?)	LTH SRG 1268	HU 1060
L-11	6094	4879	LTH SRG 1261	HU 1168
L-12	6131	15333	LTH SRG 1309	HU 1155
L-13	6117	8767	LTH SRG 1304	HU 1167, a ASI
L-14	6056	16767	LTH SRG 1313	A, a ASI, B, E HU 1049
L-15	6074	15288 (1)	LTH SRG 1276	HU 1038
L-16	6004	407	LTH SRG 1283	HU 1156
L-17	6008	1758(1)	LTH SRG 1327	HU 1005
L-18	6052	16883	LTH SRG 1262	HU 1052
L-19	6053	15462	LTH SRG 1298	HU 1053
L-20	6128	15462 (?) 14976 (?)	LTH SRG 1272	HU 1039
L-21	6040	7341	LTH SRG 1302	A IAR 57-58 pl 20 6, A bis HU 1068, a ASI
L-22	6095	5450	LTH SRG 1269	HU 1069
L-23	1070	6425	LTH SRG 1289	HU 1289
L-24	6216	2899	LTH SRG 1322	HU 1010
L-25	6062	17372	LTH SRG 1341	HU 1284
L-26	6020	4362	LTH SRG 1260	HU 1036
L-27	6112	5617	LTH SRG 1312	A. ASI, A bis, a HU 1072
L-28	6028	6726	LTH SRG 1266	HU 1061
L-29	6009	989	LTH SRG 1281	HU 1171
L-30	6213	1760	LTH SRG 1340	HU 1071
L-31	6126	14865	LTH SRG 1316	HU 1029
L-32	6222	12374	LTH SRG 1315	HU 1163
L-33	6220	5625	LTH SRG 1336	HU 1175
L-34	6218	4186	???	ASI
L-35	6054	17328	LTH SRG 1292	HU 1056, a· ASI
L-36	6047	15164	LTH SRG 1270	HU 1073
L-37	6111	5397	LTH SRG 1325	HU 1007, a ASI
L-38	6048	9675	LTH SRG 1271	HU 1075
L-39	6055	7369	LTH SRG 1280	HU 1076
L-40	6244	12028	LTH SRG 1311	HU 1177
L-41	6122	15338 (?) 13338 (?)	LTH SRG 1275	HU 993 Cf L-76
L-42	6203	1980 (2)	LTH SRG 1284	HU 1174
L-43	6116	3736 (?) 8736 (?)	LTH SRG 1337	HU 1055
L-44	6209	5371	LTH SRG 1274	HU 1054, C-B Rao pl CLIV C
L-45	6021	5040	LTH SRG 1259	A. KVR, A bis, a· HU 1037
L-46	6076	5784	LTH SRG 1297	HU 1051
L-47	6124	14976 (?) 14371 (?)	LTH SRG 1324	A ASI, a. HU 1015
L-48	6022	4829	LTH SRG 1273	HU 1170
L-49	6045	13699	LTH SRG 1305	A ASI, a HU 988
L-50	6005	529	???	ASI
L-51	6037	11358	LTH SRG 1264	HU 1019
L-52	6084	13732	LTH SRG 1308	HU 1025
L-53	6198	6083	LTH SRG 1301	HU 1024
L-54	6137	17199	LTH SRG 1359	A. ASI, A bis, B, a HU 1283
L-55	6139	13744 (?) 17374 (?)	LTH SRG 1360	HU 999
L-56	6138	17312	LTH SRG 1296	HU 994
L-57	6134	16845 (1)	LTH SRG 2852	A· ASI; a, B, D HU 1011
L-58	6083	5094	LTH SRG 1314	HU 997
L-59	6135	17127	LTH SRG 1338	HU 1042
L-60	6113	6022	LTH SRG 1320	A ASI, A bis, a, B HU 1041
L-61	6250	15288	LTH SRG 1246	A ASI, A bis, a, B, C, D, E, F HU 1224
L-62	6118	9716	LTH SRG 1339	A ASI, A bis, a, B,C,D,E,F HU 1020
L-63	6214	2091	LTH SRG 1319	HU 1169
L-64	6109	5262	LTH SRG 2860	HU 1066
L-65	6060	17371	LTH SRG 1300	HU 1062
L-66	6115	14875 (?) 7341 (2) (?)	LTH SRG 1306	HU 1067, A ASI
L-67	6199	9674 (?) 9074 (?)	LTH SRG 1350	HU 1018
L-68	6042	3931	LTH SRG 1352	A, a ASI, B, E HU 1017
L-69	6321	12277	LTH SRG (3,D6)	Rao pl.CLIII C
L-70	6212	1258	LTH SRG 1277	HU 1065
L-71	6319	9082	LTH SRG (3,C6)	Rao pl CLXI A 1
L-72	6320	15031	LTH SRG (6)	Rao pl CLXI A 2
L-73	6221	17312	LTH SRG 1323	HU 1161
L-74	6207	7341	LTH SRG 1357	HU 1164
L-75	6210	1938	LTH SRG 1286	HU 1159
L-76	6087	13338	LTH SRG 1288	HU 1157 vrt L-41
L-77	6204	4839	LTH SRG 1278	HU 1028
L-78	6127	15263 (?) 14975 (?)	LTH SRG 1351	A ASI, A bis, a, B, D HU 991
L-79	6119	12923	LTH SRG 1332	HU 1040, A ASI
L-80	6211	761	LTH SRG 1348	HU 1162
L-81	6133	15976	LTH SRG 1330	HU 1013
L-82	6061	17373	LTH SRG 1328	HU 1030
L-83	6063	1758 (?) 13732 (?)	LTH SRG 2846	HU 1031
L-84	6141	1980	LTH SRG 1285	HU 1176
L-85	6241	1980 (1)	LTH SRG 1347	HU 1044
L-86	6102	3738 (?) 1258 (?)	LTH SRG 1344	A. ASI, a, C HU 1045
L-87	6024	4133	LTH SRG 1282	HU 1008
L-88	6023	3269	LTH SRG 1291	HU 1021
L-89	6132	15337	LTH SRG 1326	HU 996
L-90	6090	5336	LTH SRG 1334	HU 1032
L-91	6140	14204 (?)	LTH SRG 2849	HU 1179, a ASI
L-92	6049	12341	LTH SRG 1333	A ASI, A bis, a, E HU 1027
L-93	6120	13004	LTH SRG 2856	HU 1160
L-94	6123	14370	LTH SRG 2855	HU 1026
L-95	6031	6184	LTH SRG 1342	HU 989, a ASI
L-96	6085	4346	LTH SRG 1293	HU 990
L-97	6043	13994	LTH SRG 1318	HU 1074
L-98	6086	4302 (?)	LTH SRG 2847	HU 1009

		15263 (?)		
L-99	6073	9074 (?)	???	ASI
L-100	6064	9989	LTH SRG 1331	A, a ASI, B, C HU 1000
L-101	6006	400	LTH SRG 1353	A ASI, B, C, E HU 1016
L-102	6114	6047	LTH SRG 1287	HU 1048
L-103	6105	3453	LTH SRG 1343	A, a ASI, B, C, E HU 1023
L-104	6129	15287	LTH SRG 1265	A ASI; a, B, C, D, E, F HU 1034
L-105	6104	3062	LTH SRG 1346	HU 1033
L-106	6136	17171	LTH SRG 1354	A ASI; a, B, C, D, E, F HU 1043
L-107	6206	5264 (?) 15264 (?)	LTH SRG 1335	HU 1173
L-108	6197	13941	LTH SRG 1349	HU 1282
L-109	6030	6947	LTH SRG 1267	HU 987
L-110	6101	3123	LTH SRG 1295	HU 1035
L-111	6041	10924	LTH SRG 1329	HU 1002
L-112	6025	3870	LTH SRG 1294	HU 1006; a ASI
L-113	6007	769	LTH SRG 1358	HU 1014
L-114	6026	2762	LTH SRG 1290	HU 1001
L-115	6121	13017	LTH SRG 1263	HU 1003
L-116	6108	5008	LTH SRG 1355	HU 1165
L-117	6125	14444	LTH SRG 2850	HU 1012
L-118	6106	3658?	LTH SRG 2848	HU 995
L-119	6205	6070	???	ASI
L-120	6219	5354	LTH SRG 2858	HU 1178, a ASI
L-121	6202	1258	LTH SRG 1277	HU 1065
L-122	6033	13744 (?) 13774 (?)	LTH SRG 2845	HU 1050
L-123	6057	5339	LTH SRG 2748	HU 998
L-124	6157	1853	LTH SRG 1178	A. ASI, B HU 1206
L-125	6015	1876A	LTH SRG 1234	HU 1223
L-126	6171	1877	LTH SRG 1233	HU 1256
L-127	6154	1840 (?) 1850 (?)	LTH SRG 1220	HU 1234
L-128	6169	1873	LTH SRG 1235	ASI
L-129	6146	1838	LTH SRG 1181	HU 1222, A bis: ASI
L-130	6179	1891	LTH SRG 1215	ASI
L-131	6189	2421	LTH SRG 1241	HU 1226
L-132	6147	1839	LTH SRG 1192	HU 1270
L-133	6173	1880	LTH SRG 1216	HU 1248
L-134	6177	1887 (?)	LTH SRG 1229	HU 1235
L-135	6153	1848	LTH SRG 1191	HU 1193
L-136	6010	1854	LTH SRG 1226	HU 1264
L-137	6012	1926	LTH SRG 1237	HU 1266
L-138	6148	1841	LTH SRG 1173	HU 1252; B ASI
L-139	6156	1852	LTH SRG 1199	HU 1272
L-140	6172	1879	LTH SRG 1214	HU 1275
L-141	6194	13881 (?)	???	ASI [See Corr.]
L-142	6011	1809	LTH SRG 1190	HU 1212, B ASI
L-143	6088	1878	LTH SRG 1165	HU 1251
L-144	6032	6742	LTH SRG 1174	HU 1202
L-145	6248	1980/5C	LTH SRG 1159	HU 1233
L-146	6050	13191	LTH SRG 2862	HU 1285
L-147	6182	1938	LTH SRG 1236	HU 1213
L-148	6190	2498	LTH SRG 1231	HU 1243
L-149	6192	3466	LTH SRG 1162	HU 1204
L-150	6188	2376	LTH SRG 1222	HU 1253
L-151	6186	2093	LTH SRG 1163	HU 1236
L-152	6155	1851	LTH SRG 1171	HU 1195
L-153	6191	3282	LTH SRG 1247	HU 1189
L-154	6236	1890	LTH SRG 12181	HU 1187
L-155	6228	1875	LTH SRG 1197	ASI
L-156	6229	2076	LTH SRG 1238	HU 1238
L-157	6240	1889	LTH SRG 1185	HU 1180
L-158	6232	1855	LTH SRG 1158	HU 1191
L-159	6247	1835	LTH SRG 1186	HU 1185
L-160	6225	1836	LTH SRG 1198	HU 1246
L-161	6013	1830	LTH SRG 1195	HU 1261
L-162	6233	1836	LTH SRG 1241	HU 1255
L-163	6159	1861	LTH SRG 1207	HU 1265
L-164	6161	1864	LTH SRG 1232	HU 1273
L-165	6142	1759	LTH SRG 1206	HU 1184
L-166	6018	1831	LTH SRG 1217	HU 1267
L-167	6162	1865	LTH SRG 1243	HU 1271
L-168	6165	1868	LTH SRG 1187	HU 1250, C ASI
L-169	6166	1869	LTH SRG 1239	HU 1269
L-170	6160	1863	LTH SRG 1223	HU 1254
L-171	6227	1862	LTH SRG 1245	HU 1244
L-172	6251	1837 (?)	LTH SRG 1205	HU 1182
L-173	6243	9715	LTH SRG 1253	HU 1221
L-174	6071	1924	???	ASI [See Corr.]
L-175	6072	1833	LTH SRG 1189	HU 1209
L-176	6150	1843	LTH SRG 1219	HU 1239; A bis: ASI
L-177	6145	1844	LTH SRG 1177	HU 1258; A bis ASI
L-178	6253	2420	LTH SRG 1211	HU 1237, A bis: ASI
L-179	6223	1885	LTH SRG 1209	HU 1192
L-180	6170	1874	LTH SRG 1208	HU 1186
L-181	6193	1876B (?)	LTH SRG 1228	ASI
L-182	6168	1872	LTH SRG 1212	HU 1215
L-183	6242	3746	LTH SRG 1254	HU 1286
L-184	6239	1838 (?)	LTH SRG 1255	HU 1229
L-185	6234	1849	LTH SRG 1183	HU 1241; A bis: ASI
L-186	6181	1931	LTH SRG 1176	HU 1263
L-187	6144	1834	LTH SRG 1250	HU 1217
L-188	6224	10032	LTH SRG 1244	HU 1225
L-189	6067	1845	LTH SRG 1204	HU 1219
L-190	6092	1870	LTH SRG 1225	HU 1262
L-191	6079	1884	LTH SRG 1160	HU 1232
L-192	6158	1857	LTH SRG 1164	HU 1194, A bis ASI
L-193	6178	1888	LTH SRG 1166	HU 1210
L-194	6176	1886	LTH SRG 1193	A 1 ASI, A 2: HU 1208
L-195	6180	1927	LTH SRG 1221	HU 1211
L-196	6065	1883/2	LTH SRG 1248	HU 1228
L-197	6167	1878 (?) 1871 (?)	LTH SRG 1230	HU 1249
L-198	6149	1842	LTH SRG 1210	HU 1242
L-199	6175	1882 (?)	LTH SRG 1252	ASI
L-200	6152	1847	LTH SRG 1196	HU 1245
L-201	6185	2059 (?)	LTH SRG 1172	ASI
L-202	6187	2228	LTH SRG 1240	ASI
L-203	6174	1881	LTH SRG 2911	HU 1196
L-204	6077	8737	LTH SRG 1175	HU 1220
L-205	6151	1848	LTH SRG 1194	HU 1247
L-206	6016	2077	LTH SRG 1203	ASI
L-207	6195	14366	LTH SRG 1202	HU 1190
L-208	6249	3694	LTH SRG 1188	HU 1214
L-209	6184	1990	LTH SRG 1169	HU 1230, A bis. ASI
L-210	6001	722	LTH SRG 1201	HU 1218, A bis: ASI
L-211	6034	8767 (?) 10742 (?)	LTH SRG 1213	HU 1268
L-212	6183	1883/1 (?) 1983 (?)	LTH SRG 1179	HU 1231
L-213	6143	1882	LTH SRG 1170	HU 1200; A bis: ASI
L-214	6230	3681	LTH SRG 1182	HU 1183
L-215	6231	16845 (2)	LTH SRG 1184	ASI
L-216	6058	16912	LTH SRG 1180	HU 1199
L-217	6208	12352	LTH SRG 1279	ASI
L-218	6003	800	LTH SRG 1251	HU 1276, B ASI
L-219	6059	15348	LTH SRG 1168	HU 1274
L-220	6044	13051	LTH SRG 1157	HU 1205
L-221	6290	???	???	Rao pl CXCIII·33 (sic, in conflict with ibid., p 460)
L-222	6284	???	???	Rao pl CXCII·20, A bis: ASI-VC
L-223	6256	???	???	Rao pl CXCII 21, A bis: ASI-VC
L-224	6255	???	???	Rao pl.CXCI B·18; A bis·ASI-VC
L-225	6259	???	???	AI 16 (1960) pl 31 A 2; A bis Rao pl CXCI B:7
L-226	6308	???	???	Rao pl.CXCII.31
L-227	6306	???	???	Rao pl CXCII 29
L-228	6269	???	???	Rao pl CXCII 26, A bis ASI-VC
L-229	6300	???	???	Rao pl CXCII·22
L-230	6275	???	???	Rao pl CXCI A·12, A bis:ASI-VC
L-231	6264	???	???	ASI-VC
L-232	6305	???	???	Rao pl.CXCII:28
L-233	6301	???	???	Rao pl.CXCII:23
L-234	6263	???	???	Rao pl CXCI A 3; A bis· ASI-VC
L-235	6307	???	???	Rao pl CXCII 30
L-236	6273	???	???	Rao pl CXCI A 8, A bis· ASI-VC
L-237	6322	???	???	Rao pl.CCXXXIII 7
L-238	6303	???	???	Rao pl.CXCII.25
L-239	6293	???	???	Rao pl CXCI 4
L-240	6278	???	???	ASI-VC
L-241	6299	???	???	Rao pl.CXCI B 16
L-242	6291	???	???	Rao pl CXCI 1
L-243	6295	???	???	Rao pl CXCI 6
L-244	6294	???	???	Rao pl CXCI A·5
L-245	6302	???	???	Rao pl CXCII:24
L-246	6286	???	???	ASI-VC
L-247	6285	???	???	ASI-VC
L-248	6257	???	???	ASI-VC
L-249	6287	???	???	ASI-VC
L-250	6270	???	???	ASI-VC
L-251	6304	???	???	Rao pl.CXCII 27
L-252	6304	???	???	Rao pl CXCI.9
L-253	6283	???	???	ASI-VC
L-254	6292	???	???	Rao pl CXCI 2
L 255	6281	???	???	ASI-VC
L-256	6279	???	???	Rao pl CXCI a.10, A bis ASI-VC
L-257	6296	???	???	Rao pl.CXCI A. 7
L-258	6288	???	???	Rao pl CXCI B·15, A bis:ASI-VC
L-259	6298	???	???	Rao pl CXCI A 11
L-260	6289	???	???	ASI-VC
L-261	6277	???	???	ASI-VC
L-262	6271	???	???	ASI-VC
L-263	6276	???	???	Rao pl CXCI B 14, A bis ASI-VC
L-264	6318	???	???	Rao pl CCXXXIII 4
L-265	6258	???	???	Rao pl CXCI B 19, A bis ASI-VC
L-266	6282	???	???	Rao pl CCXIX B 3;

				A bis ASI-VC
L-267	6323	???	???	Rao pl CCXXXIII 3
L-268	6327	???	???	Rao pl.CCXXXIV 6
L-269	6325	???	???	Rao pl.CCXXXIII 5
L-270	6326	???	???	Rao pl.CCXXXIII 6
L-271	6254	???	???	Rao pl.CXCIII B 32, A bis, A ter ASI-VC
L-272	6280	???	???	Rao pl CXCIV B 45; A bis ASI-VC
L-273	6038	???	???	IAR 57-58 pl.20 4
L-274	6266	???	???	Rao pl.CXCIV B 47, A bis: ASI-VC
L-275	6313	???	???	Rao pl CXCIV B 44
L-276	6260	???	???	Rao pl.CXCIV A 34, A bis: ASI-VC
L-277	6312	???	???	Rao pl.CXCIV A 40
L-278	6262	???	???	Rao pl.CXCIV A 43, A bis AI 16 (1960) pl 7 A.4, A ter ASI-VC
L-279	6265	???	???	Rao pl CXCIV A:39, A bis AI 16 pl 21 B 2; A ter: ASI-VC
L-280	6274	???	???	Rao pl CXCIV A:42, A bis. ASI-VC
L-281	6261	???	???	Rao pl CXCIV A·36, A bis ASI-VC
L-282	6268	???	???	Rao pl CXCIV B·49, A bis: ASI-VC
L-283	6310	???	???	Rao pl CXCIV A:37
L-284	6311	???	???	Rao pl CXCIV A·38
L-285	6315	???	???	Rao pl.CXCIV B:48
L-286	6309	???	???	Rao pl CXCIV A 35, A bis AI 16 pl 12 6
L-287	6267	???	???	Rao pl CXCIV A:41, A bis: ASI-VC
L-288	6317	???	???	Rao pl CXCIV B 51
L-289	6316	???	???	Rao pl CXCIV B 50
L-290	6314	???	???	Rao pl CXCIV B:46
K-1	7016	KLB1 2249 (2)	ASI 68 1.58	HU 32, a. HU 88/87
K-2	7030	KLB2 9087	ASI 68 1 41	HU 15, a. ASI
K-3	7105	KLB1 14570	ASI 68.1 49	A, a. ASI, A bis, B, C HU 23
K-4	7072	KLB2 12349	ASI 68 1 55	HU 29
K-5	7022	KLB1 7295 (2)	ASI 68 1.39	HU 3
K-6	7029	KLB2 9434	ASI 68 1 40	HU 4, a: ASI
K-7	7113	KLB1 17730	ASI 68.1 12	HU 56
K-8	7112	KLB1 17658	ASI 68 1 9	HU 53
K-9	7031	KLB2 9435	ASI 68 1 42	HU 16
K-10	7020	KLB1 2247	ASI 68 1 62	HU 36; a HU 97/87
K-11	7107	KLB1 16052	ASI 68 1 1	HU 45
K-12	7034	KLB1 18257(1)	ASI 68 1 37	HU 1, a. HU 98/87
K-13	7117	KLB1 18257(2)	ASI 68 1 60	HU 34, a HU 85/87
K-14	7023	KLB2 5441	ASI 68 1 14	HU 58, a HU 91/87
K-15	7122	KLB2 18629 ? KLB2 19829 ?	ASI 68 1 38	HU 2
K-16	7114	KLB2 17731	ASI 68 1 22	HU 66, a ASI
K-17	7103	KLB2 12870	ASI 68 1 78	HU 78
K-18	7111	KLB2 17529	ASI 68 1 4	A ASI, a HU 95/87
K-19	7123	KLB1 21503	ASI 68 1 74	HU 73
K-20	7116	KLB1 18902 ? KLB1 18092 ?	ASI 68 1 17	HU 61, a HU 96/87
K-21	7137	KLB1 18150(1)	ASI 68 1.59	HU 33
K-22	7037	KLB1 2249 (1)	ASI 68 1.20	HU 64; a· HU 99/87
K-23	7104	KLB1 14507	ASI 68 1 36	HU 5, a HU 100/87
K-24	7140	KLB? 21710	ASI 68 1 87	HU 87
K-25	7109	KLB2 16174	ASI 68 1 11	HU 54, a ASI exc n o?
K-26	7125	surface find	Rohtak	Sarasvati no 273
K-27	7032	KLB2 9631	ASI 68 1 45	HU 19
K-28	7110	KLB1 16945	ASI 68 1 35	HU 6. a HU 86/87
K-29	7102	KLB2 8219	ASI 68 1 48	HU 22
K-30	7003	KLB 343	ASI 68.1 50	HU 24
K-31	7101	KLB1 2248	ASI 68 1 68	HU 42
K-32	7076	KLB1 18150(1)	ASI 68 1 32	HU 9
K-33	7033	KLB2 11222	ASI 68 1 79	HU 79, a HU 79/87
K-34	7118	KLB1 18597	ASI 68 1 23	HU 67
K-35	7133	KLB2 16031	ASI 68 1 15	HU 59, a HU 92/87
K-36	7135	KLB1 2250	ASI 68 1 52	HU 26
K-37	7073	KLB2 17729	ASI 68 1 13	HU 57
K-38	7138	KLB2 14984	ASI 68.1 18	HU 62
K-39	7025	KLB2 5059	ASI 68 1 61	HU 35
K-40	7126	KLB2 21705	ASI 68 1 84	HU 84
K-41	7017	KLB2 5617 (2)	ASI 68 1 81	A ASI, a HU 94/87
K-42	7139	KLB? 21707	ASI 68.1 85	HU 85
K-43	7071	KLB2 16947	ASI 68 1 3	HU 47, a ASI
K-44	7115	KLB1 17800	ASI 68 1 21	HU 65
K-45	7120	KLB1 19360	ASI 68 1 51	HU 25, a ASI
K-46	7119	KLB2 18760	ASI 68 1 63	HU 37
K-47	7134	KLB2 2152	ASI 68 1 64	A ASI, A bis, a, B, C, D HU 38
K-48	7143	surface find	Rohtak	Sarasvati no 275
K-49	7024	KLB2 5617 (1)	ASI 68 1 80	HU 80
K-50	7040	KLB2 14982	ASI 68 1 8	HU 52, a HU 102/87
K-51	7026	KLB2 435	ASI 68 1 75	HU 75
K-52	7027	KLB 6236	ASI 68 1 46	A, a ASI, A bis, B, D HU 20
K-53	7077	KLB1 16093	ASI 68 1 2	HU 46
K-54	7106	KLB2 16037	ASI 68 1 53	A, a ASI, A bis, B, C, D

				HU 27
K-55	7108	KLB1 16067	ASI 68 1 19	HU 63, a. HU 103/87
K-56	7063	KLB2 902 ? KLB1&2 885 ?	ASI 68 1 6	HU 50
K-57	7074	KLB2 12996	ASI 68 1 44	HU 18
K-58	7075	KLB1 17841 ? KLB1 17847 ?	ASI 68 1 25	HU 69
K-59	7035	KLB1 7295	ASI 68 1 24	HU 68
K-60	7124	KLB2 21504	ASI 68 1 72	HU 72
K-61	7062	KLB1 182 ? KLB1&2 288 ?	ASI 68 1 5	HU 49
K-62	7036	KLB2 9734 (1)	ASI 68 1 27	HU 14
K-63	7121	KLB1 19400	ASI 68 1 34	HU 7
K-64	7136	KLB2 4166	ASI 68 1 67	HU 41
K-65	7038	KLB2 9734 (2)	ASI 68 1 77	HU 77; a. HU 101/87
K-66	7018	KLB2 976	ASI 68 1.7	HU 51
K-67	7061	KLB1&2 148	ASI 68 1.71	HU 71
K-68	7130	KLB 19527	ASI 68 1 47	HU 21
K-69	7082	KLB1 16060	ASI 68 1 26	HU 70
K-70	7046	KLB1 16047	ASI 68 1 11	HU 55
K-71	7083	KLB1 16946	ASI 68 1 16	HU 60
K-72	7084	KLB1 17780	ASI 68 1 31	HU 10
K-73	7085	KLB1 18352	ASI 68 1 28	HU 13
K-74	7087	KLB1 19182	ASI 68 1 29	HU 12
K-75	7086	KLB1 18705	ASI 68 1 56	HU 30
K-76	7144	KLB2 15118	ASI 68 1 30	HU 11
K-77	7131	KLB2 21425	ASI 68 1 74	HU 74
K-78	7019	KLB2 3844	ASI 68.1.33	HU 8
K-79	7142	surface find	Rohtak	Sarasvati no 274
K-80	7078	KLB? 17892	ASI 68 1 83	HU 83
K-81	7128	KLB1 5105	ASI 68 1 65	HU 39
K-82	7060	KLB1 7295 (3)	ASI 68 1 86	HU 86
K-83	7141	KLB2 1961 ? KLB2 18 ?	ASI 68 1 70	HU 44
K-84	7127	KLB1 3712	ASI 68 1 69	A 1-2: ASI, A 2 HU 43
K-85	7005	KLB2 11204	ASI 68 1.43	A: ASI, A bis, B HU 17
K-86	7079	KLB1 19085	ASI 68.1.54	HU 28
K-87	7129	KLB1 19348	ASI 68.1 57	A 1-2· ASI?; A 1-2 bis· HU 31
K-88	7132	KLB2 21505	ASI 68 1 82	HU 82
K-89	7064	KLB1&2 868	ASI 68 1 76	HU 83/87
K-90	7070	KLB1 21506	ASI	HU 1306
K-91	7014	KLB1 surf 887	ASI	HU 333/87
K-92	7012	KLB ???	ASI	ASI
K-93	7042	KLB2 DS QD 4/1	NMI 13000	HU 1416
K-94	7147	KLB 21712	ASI	HU 120/87
K-95	7154	KLB1 21689	ASI	HU 330/87
K-96	7145	KLB1 21708	ASI	HU 322/87
K-97	7015	KLB2 21714	ASI	HU 324/87
K-98	7049	KLB ???	ASI	ASI 3/61
K-99	7010	KLB2 21716	ASI	HU 329/87
K-100	7048	KLB2 21702	ASI ??	Hartel & Auboyer pl 2a
K-101	7007	KLB1 21709	ASI ??	HU 1300
K-102	7009	KLB1 ???	ASI	HU 326/87
K-103	7011	KLB ???	???	ASI
K-104	7088	KLB ???	???	ASI 49/1971
K-105	7047	KLB ???	???	ASI 49/1971
K-106	7006	KLB ???	???	ASI
K-107	7149	KLB 21718	ASI	HU 332/87
K-108	7008	KLB1 21690	ASI	HU 323/87
K-109	7146	KLB ???	???	HU ???/87
K-110	7013	KLB ???	???	ASI
K-111	7150	KLB 21723	ASI	HU 325/87
K-112	7148	KLB ???	???	HU ???/87
K-113	7153	KLB1 21725	ASI	HU 320/87
K-114	7151	KLB 21715	ASI	HU 327/87
K-115	7089	KLB ???	???	ASI 49/1971
K-116	7155	KLB ???	???	AI 16 (1960) pl XXVII 7
K-117	7156	KLB ???	???	AI 16 (1960) pl. XI 6
K-118	7152	KLB2 21628	ASI	HU 331/87
K-119	7039	KLB1 11535	ASI	HU 118/87
K-120	7043	KLB2 12871	NMI	HU 1414
K-121	7080	KLB2 16948	ASI	HU 1301
K-122	7081	KLB 14983	ASI	HU 334/87
C-1	5025	CH 3817	ASI 63 10 4	HU 90, a CE pl LI 25
C-2	5028	CH 2293	ASI 63 12.24	HU 812
C-3	5063	CH 2389	ASI 63 12 23	HU 811, a ASI
C-4	5039	CH 2390	ASI 63 12 14	ASI
C-5	5032	CH 2361	ASI 63 12 22	HU 810, a ASI
C-6	5038	CH 4852	ASI 63 11 236	ASI
C-7	5040	CH 4327	ASI 63 12.8	HU 796, a. HU 112/87
C-8	5060	CH 2468	ASI 63 12 1	HU 789, a 109/87
C-9	5027	CH 3045	ASI 63 12 21	HU 809, a 110/87
C-10	5029	CH 2297	ASI 63 12 5	HU 793, a ASI
C-11	5053	CH 2559	ASI 63 12 2	HU 790, a. ASI
C-12	5064	CH 2530	ASI 63 12 26	HU 814, a CE pl LII 31
C-13	5054	CH 2358	ASI 63 12 17	HU 805, a HU 113/87
C-14	5008	CH 3159	ASI 63 12 10	HU 789, B, F ASI
C-15	5046	CH 2603	ASI 63 12 6	HU 794, a CE pl LII 13
C-16	5055	CH 2595	ASI 63 12 3	ASI
C-17	5022	CH 3207	ASI 63 12 29	HU 817, a CE pl LI 22
C-18	5049	CH 1393	ASI 63 12 12	HU 800, B, C, E ASI

C-19	5006	CH 3737	ASI 63 12 20	HU 808, a ASI
C-20	5043	CH 3326	ASI 63 12 25	HU 813
C-21	5042	CH 950	ASI 63 12 15	HU 803
C-22	5015	CH 2285	ASI 63 12 16	HU 804, a CE pl LI 15
C-23	5076	CH 372 (t) CH 248 (o)	NMI 174	A, B. HU 1152; a. HU 1145
C-24	5016	CH 3049	ASI 63.12.19	HU 807; a. CE pl LI:16
C-25	5007	CH 3200	ASI 63.12 11	HU 799
C-26	5082	CH 1801	ASI 63 12 7	ASI
C-27	5019	CH 2845	ASI 63 12 38	HU 826
C-28	5078	CH 458	NMI 173	HU 1147
C-29	5077	CH 248 (t) CH 372 (o)	NMI 171	HU 1154
C-30	5011	CH 3485	ASI 63 12 13	HU 801
C-31	5005	CH 4770	ASI 63.12 34	HU 822; B, E: ASI
C-32	5023	CH 2532	ASI 63.12 9	HU 797
C-33	5004	CH 518	ASI 63 57.77(!)	HU 827
C-34	5066	CH 4770	ASI	HU 830
C-35	5079	CH 1954	ASI 63 12.35	HU 823
C-36	5072	CH 5036	NMI 1057	HU 1412
C-37	5073	CH 5032	NMI 1058	HU 1411
C-38	5084	CH 2529 U	ASI 74 1.47	Yule
C-39	5083	CH 2529 H	ASI 74.1 48	A (1) Yule 1982 10:31-32 A (2) Yule 1981 13:10-12
C-40	5075	CH 2596 A	ASI 74.1 76	HU 828
C-41	5101	CH 1652	ASI 63.12 36	HU 824; B, C ASI
C-42	5102	CH 2604	ASI 63 12 31	HU 819
C-43	5105	CH 1426	ASI 63.12 27	HU 815
C-44	5103	CH 1946	ASI 63.12 28	HU 816
C-45	5111	CH 1726	ASI 63.12 32	HU 820, a CE pl XLIX 11
C-46	5130	CH 3840	ASI 63 12 33	HU 821
C-47	5125	CH 1574	ASI 63 12 30	HU 818
C-48	5112	CH 3768	ASI 63 12.4	HU 792
C-49	5120	CH 4770 (2)	ASI 63.12.37	HU 825
C-50	5133	CH 3497	ASI 63 12.18	HU 806
B-1	8546	BNL1 1027	ASI	HU 313/87
B-2	8536	BNL 1405	ASI	ASI
B-3	8540	BNL1 5026	ASI	HU 319/87
B-4	8542	BNL 5473	ASI	HU 318/87
B-5	8523	BNL 9903	ASI	ASI
B-6	8529	BNL 126	ASI	ASI
B-7	8532	BNL 551	ASI	ASI
B-8	8544	BNL 312	ASI	HU 316/87
B-9	8543	BNL1 1028	ASI	HU 315/87
B-10	8524	BNL 9204	ASI	ASI
B-11	8533	BNL 1680	ASI	ASI
B-12	8541	BNL 5132	ASI	HU 317/87
B-13	8535	BNL 2484	ASI	ASI
B-14	8530	BNL 127	ASI	ASI
B-15	8522	BNL 1847	ASI	ASI
B-16	8537	BNL 9207	ASI	ASI
B-17	8521	BNL 9201	ASI	A· ASI-EB5; a· ASI
B-18	8538	BNL 9206	ASI	ASI
B-19	8539	BNL ???	???	ASI-EB5
B-20	8534	BNL 2360	ASI	ASI
B-21	8525	BNL 9205	ASI	ASI
B-22	8531	BNL 154	ASI	ASI
B-23	8545	BNL1 3378	ASI	HU 311/87
B-24	8526	BNL 9211	ASI	ASI
B-25	8548	BNL1 170/84	ASI	HU 314/87
B-26	8547	BNL 5860	ASI	HU 312/87, a in Addenda
B-27	6403	BNL ???	???	ASI-EB5
B-28	6400	BNL ???	???	ASI-EB5
B-29	6402	BNL ???	???	ASI-EB5
B-30	6405	BNL ???	???	ASI-EB5
B-31	6401	BNL ???	???	ASI-EB5
B-32	6404	BNL ???	???	ASI-EB5
B-33	6408	BNL ???	???	ASI-EB5
B-34	6406	BNL ???	???	ASI-EB5
B-35	6409	BNL ???	???	ASI-EB5
B-36	6407	BNL ???	???	ASI-EB5
B-37	6410	BNL ???	???	ASI-EB5
Agr-1	8101	???	ASI	HU 1305, A bis· IAR 58-59 pl.65 A 1
Agr-2	8102	???	???	IAR 58-59 pl 65 A·2
Agr-3	8103	???	???	IAR 58-59 pl 65 A 3
Amri-1	8710	???	ASI	AI 16 (1960) pl IV·5
Amri-2	8709	???	ASI	AI 16 (1960) pl. I 2
Ch-1	8851	???	???	Thapar 1973, p 38
Ch-2	8852	???	???	IAR 70-71 pl XIV B
Ch-3	8853	???	???	IAR 70-71 pl.XIV. C (1)
Ch-4	8854	???	???	IAR 70-71 pl.XIV C (2)
Dmd-1	8021	DMD 5 II x'3, 11	ABD 66	HU 1371
Dmd-2	8020	DMD 5 II y'3, 12	ABD 103	HU 1370
Dmd-3	8022	DMD 5 II ZD 62, 9	ABD 91	HU 1372
Dmd-4	8028	???	???	Sali p 507 pl CXCI
Dmd-5	8025	???	???	Sali p 500 pl.CXXXVIII
Dmd-6	8023	DMD 5 I , FZ 64, 14	ABD 807A	HU 1373
Dmd-7	8027	???	???	Sali p 507 pl CXL
Dmd-8	8026	???	???	Sali p 502 pl CXXXIX
Dmd-9	8024	DMD 5 I, FZ 63, 14	ABD 102	HU 1374
Dlp-1	8001	DLP ???	ASI	HU 785
Dlp-2	8004	DLP ???	ASI	HU 786
Dlp-3	8002	DLP ???	???	IAR 1963-64 (1967) pl VIII C
Dlv-1	8326	DLV ???	KM 3143	HU 1277
Dlv-2	8327	DLV surface	KC	HU 1279
Hls-1	8371	Hulas 990	ASI	ASI
Jk-1	8552	Ch Jk ???	NMI 177	HU 1140
Jk-2	8551	Jk 529	NMI 176	HU 1407, B, F· HU 1139
Krs-1	8016	surface	KM 3150	HU 1278
Krs-2	8029	KRS 42 surf	KC	HU 1281
Lh-1	8661	LH 2/1	ASI MEM 46	ASI, a· HU 852
Msk-1	8801	surface	???	AI 13 (1957) pl. XVII B
Mehi-1	8015	72/Mehi/1	ASI Mehi III 618	HU 851
Pbm-1	8030	PBM 024	KC	HU 1280
Pbs-1	8860	???	???	IAR 1971-72 pl XXIII A,B
Rgr-1	8352	???	DAH (?)	ASI
Rgr-2	8351	surface	Rohtak	Grinstead & Parpola
Rgr-3	8353	???	Mr Arjundas Malik, Haryana	ASI 1540/83, sent by M C.Joshi
Rgp-1	8017	???	DC Pune	HU 1386
Rgp-2	8019	???	???	AI 18&19 pl XXIX:A
Rhr-1	8425	???	???	IAR 82-83 p.76 pl 39 1
Rhr-2	8426	???	???	IAR 82-83 p.76 pl 39 2
Rjd-1	8303	???	???	IAR 83-84 p 107 pl. 17 (3)
Rpr-1	8201	RPR1 1267	ASI 68.7.17	HU 424/87
Sht-1	8010	72/SHT/1	ASI	HU 853
Sktd-1	8075	SKTD 1750	ASI 80 1 1	HU 788
Sktd-2	8074	SKTD 1857	ASI 80 1 2	HU 787
Sktd-3	8079	SKTD 99 1 A	ASI	HU 337/87
Sktd-4	8077	SKTD ???	???	IAR 1971-72 pl XXX C
Sktd-5	8076	SKTD 12 13 ?	ASI	HU 336/87
Sktd-6	8078	SKTD R 735	ASI	HU 335/87
Tkwd-1	8126	???	???	AI 9 (1953) pl XXVIII A
Tkwd-2	8128	???	???	ASI: Photo Library of the Director General, Miscellaneous Photographs Series Vol. I (1954-1955) No. 397/53
Tkwd-3	8127	???	???	ibid

Corrigenda

[Cross-references to Corrigenda have been added in the data list above at the appropriate places.]

Some photographs of the same object were given a separate number by mistake As renumbering would have been too expensive when the mistake was noticed, the second number was simply omitted with a cross-reference to the addenda section (p. 364), where it was assigned to other objects M-435 and M-540, which owe their numbers to this arrangement, would have their proper places after M-334 and M-463 respectively; M-595 was deleted on p 150.

P 42 M-124 is misplaced (in the photocopy used in sorting the material, the back of the seal seemed to have traces of a broken boss similar to that of H-100) , its proper place is between M-326 and M-327 on p. 82.

P 56: M-223 A and M-223 a have changed places - the mistake escaped attention at first, because the 'unicorn' here faces the direction opposite from the normal one

(P 82: M-326 b and M-326 b bis have changed places, but the change is taken into account in the data list.)

(P 96· M-396 has come before M-395 because their numbers have changed places, but the objects may keep their present numbers, the change has been taken into account in the data list)

(P 100· M-414 is misplaced, its proper place is on between M-406 and M-407)

P 108 M-438 is misplaced, probably being a seal rather than a tablet (cf B with H-99 B), in any case it is incised and not in bas-relief

P 112 M-463 A has been printed in mirror image by mistake

P 112 M-464 A & B have changed places

P. 123: For M-497 F-G read M-497 F

P 186 another photograph of *H-76 a* meant to be replaced by the latter was by mistake printed instead of H-76 A in mirror image, the real H-76 A has been printed on p 364.

P 188: H-85 A has been printed in mirror image by mistake

P 197: H-130 A has been printed in mirror image by mistake

P. 213: H-207 should have been placed after H-204

P 213 If H-208 B represents traces of what was once a tree, the correct placement of H-208 would be after H-190

P. 214: add the hyphen to the word bas-relief in the caption.

P 218-222 · duplicate photographs of many of the similar objects were by mistake included as separate items and the whole series numbered H-252 to H-277, because the mistake was detected too late, the photographs had to be retained and instead of renumbering the rest of the objects from Harappa, the numbers H-266 to H-275 had to be deleted and reserved for objects appearing in vol 2

P. 223: the first symbol in the caption should be replaced by that appearing on the preceding pages.

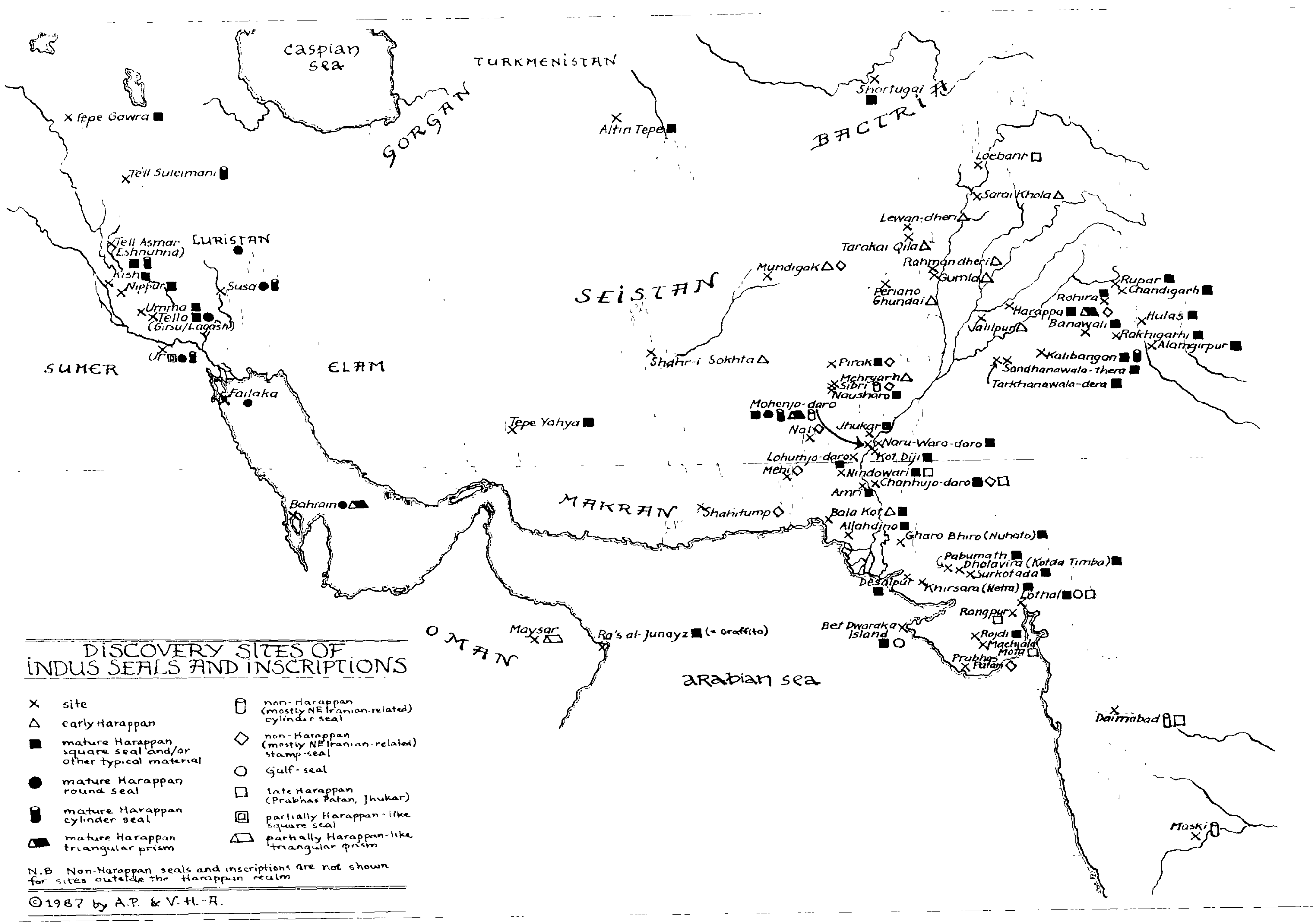
P. 223 H-289 A has been printed in mirror image by mistake

P 231. H-356 A, H-356 B and H-356 C are to be corrected into H-354 A bis, H-354 B bis, and H-354 C bis.

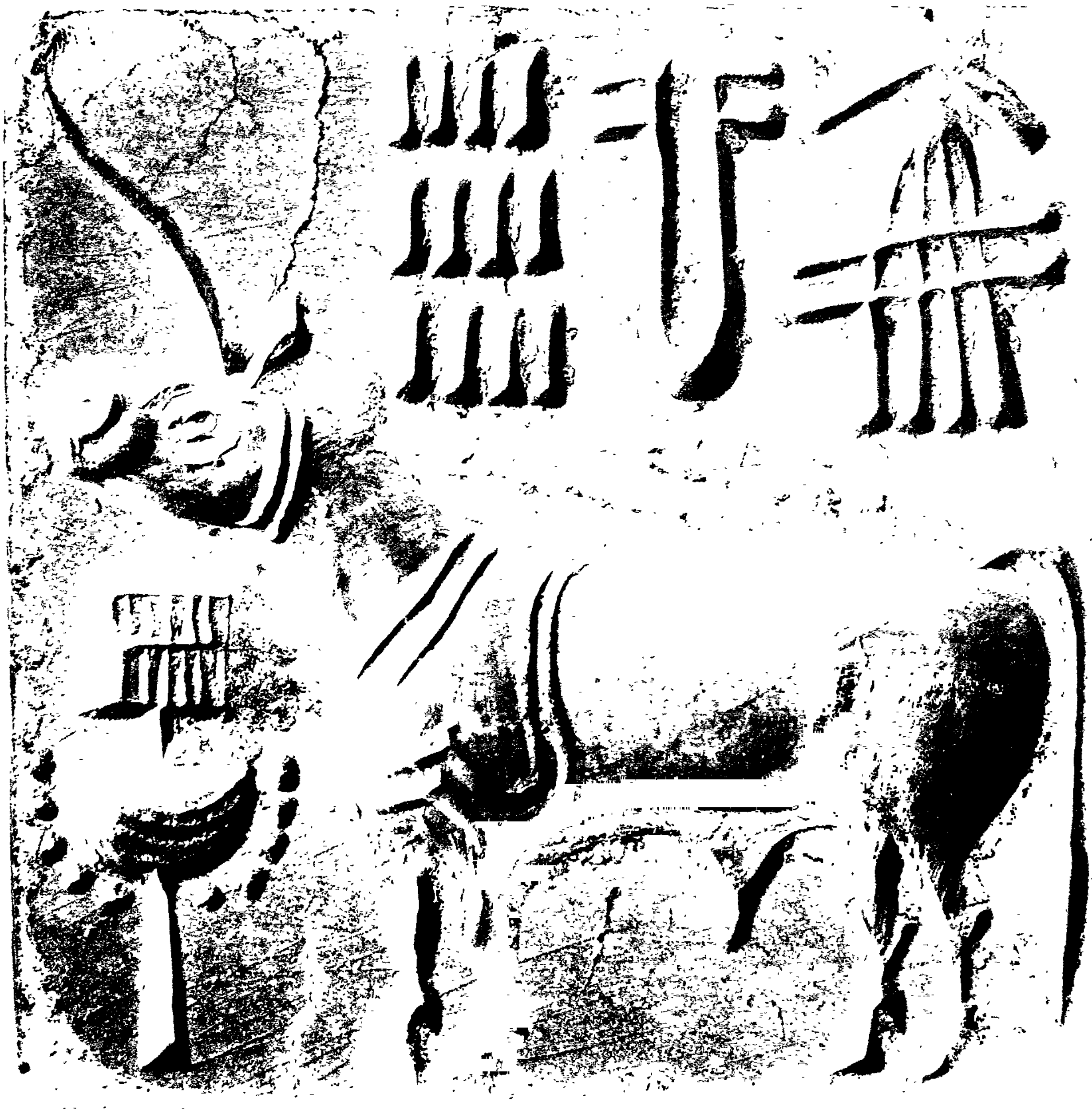
P 236 After H-376 A add. (100%)

P 272 For L-141 A and L-141 A bis, read L-141 A (1) and L-141 A (2)

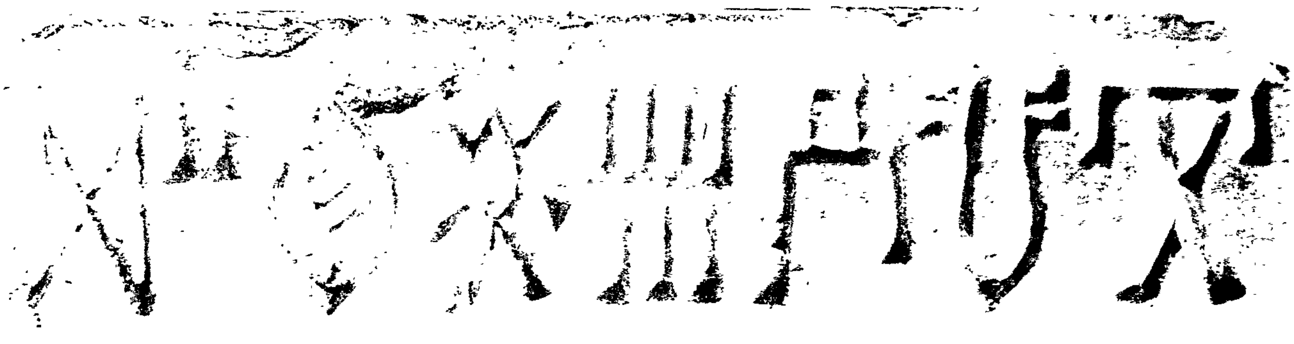
P 279· L-174 A should have been placed among tags with several impressions, after L-216



DISCOVERY SITES OF INDUS SEALS AND INSCRIPTIONS
site
early Harappan
mature Harappan square seal and/or other typical material
mature Harappan round seal
mature Harappan cylinder seal
mature Harappan triangular prism
non-Harappan (mostly NE Iranian-related) cylinder seal
non-Harappan (mostly NE Iranian-related) stamp-seal
Gulf-seal
late Harappan (Prabhas Patan, Jhukar)
partially Harappan-like square seal
partially Harappan-like triangular prism
N.B. Non-Harappan seals and inscriptions are not shown for sites outside the Harappan realm
©1987 by A.P. & V.H.-A.
Caspian Sea
TURKMENISTAN
GORGAN
BACTRIA
SEISTAN
SUMER
ELAM
LURISTAN
MAKRAN
OMAN
Arabian Sea
Tepe Gawra
Tell Suleimani
Tell Asmar (Eshnunna)
Kish
Nippur
Umma
Tello (Girsu/Lagash)
Ur
Susa
Failaka
Bahrain
Maysar
Ra's al-Junayz (= graffito)
Tepe Yahya
Altin Tepe
Shortugai
Shahr-i Sokhta
Mundigak
Shahitump
Loebanr
Sarai Khola
Lewan-dheri
Tarakai Qila
Rahman dheri
Gumla
Periano Ghundai
Pirak
Mehrgarh
Sibri
Naushara
Mohenjo-daro
Nal
Jhukar
Naru-Waro-daro
Kot Diji
Lohumjo-daro
Mehi
Nindowari
Chanhujo-daro
Amri
Bala Kot
Allahdino
Gharo Bhiro (Nuhato)
Pabumath
Dholavira (Kotda Timba)
Surkotada
Desalpur
Khirsara (Netra)
Lothal
Rangpur
Bet Dwaraka Island
Rojdi
Machiala
Mota
Prabhas Patan
Daimabad
Maski
Jalilpur
Harappa
Rohira
Banawali
Rupar
Chandigarh
Hulas
Rakhigarhi
Alamgirpur
Kalibangan
Sandhanawala-thera
Tarkhanawala-dera



1: M-18 A



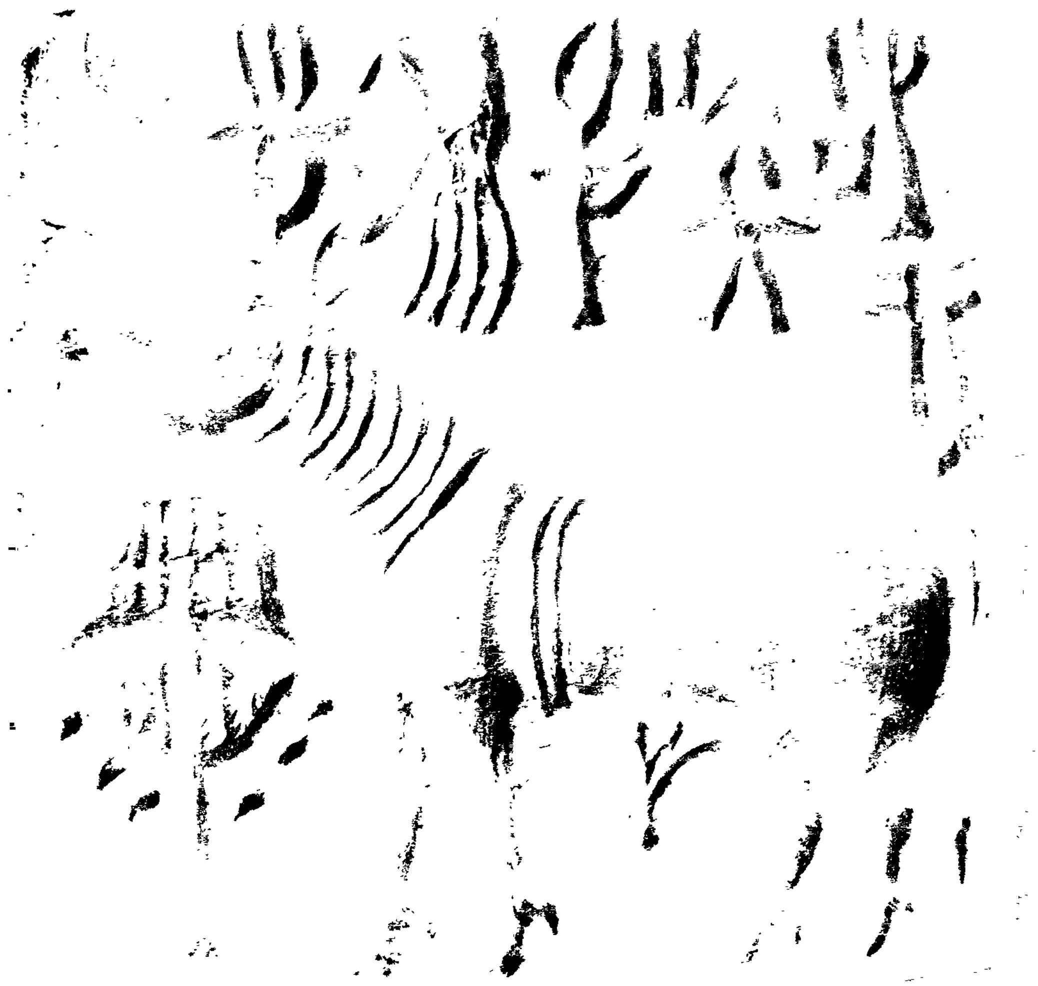
2 M-393 A



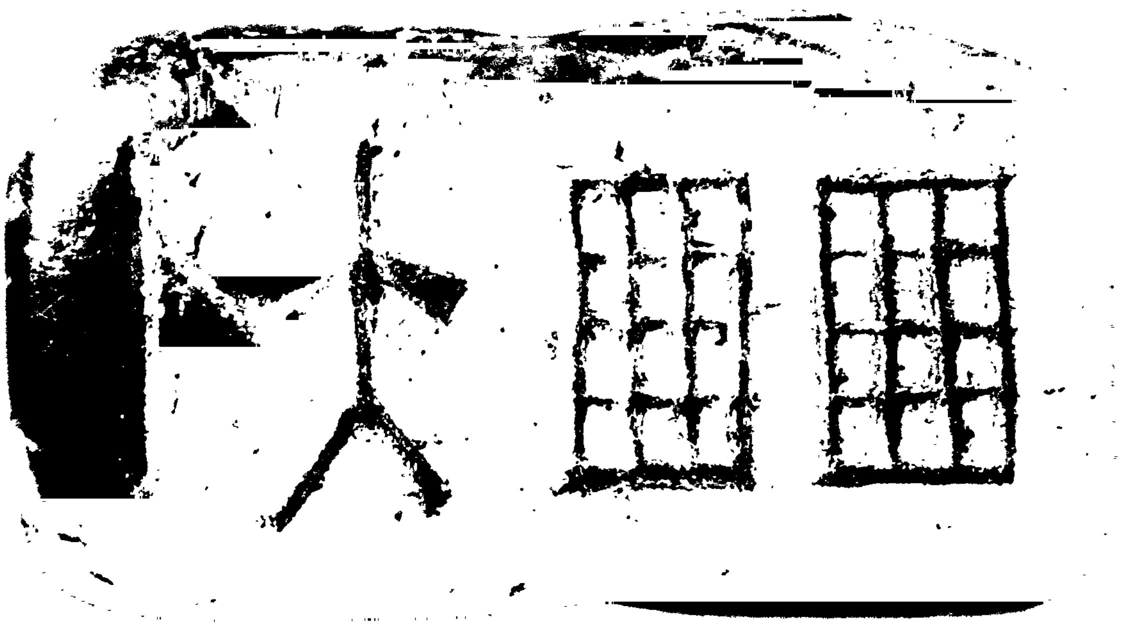
3: M-417 A



4: M-399 A



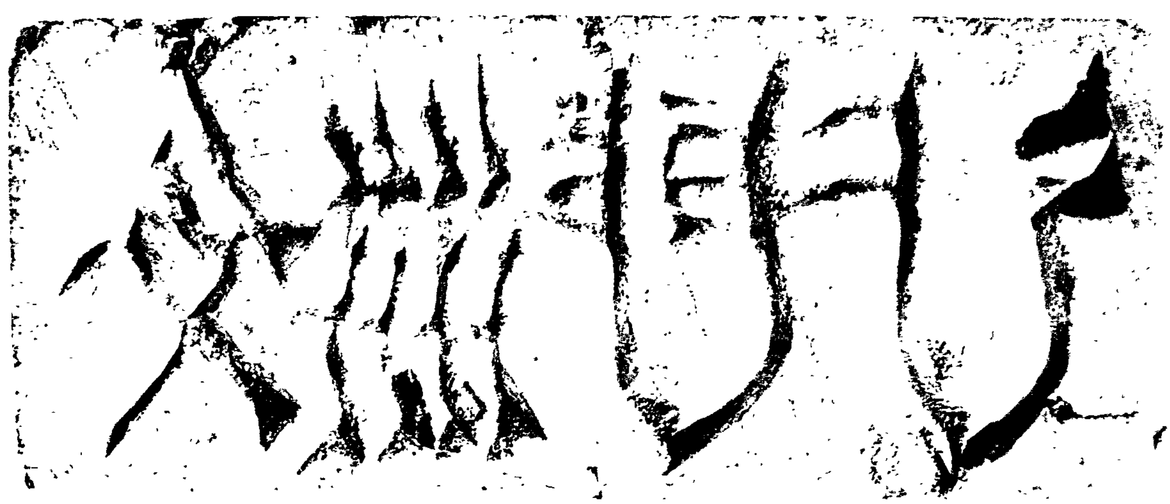
5: M-66 A



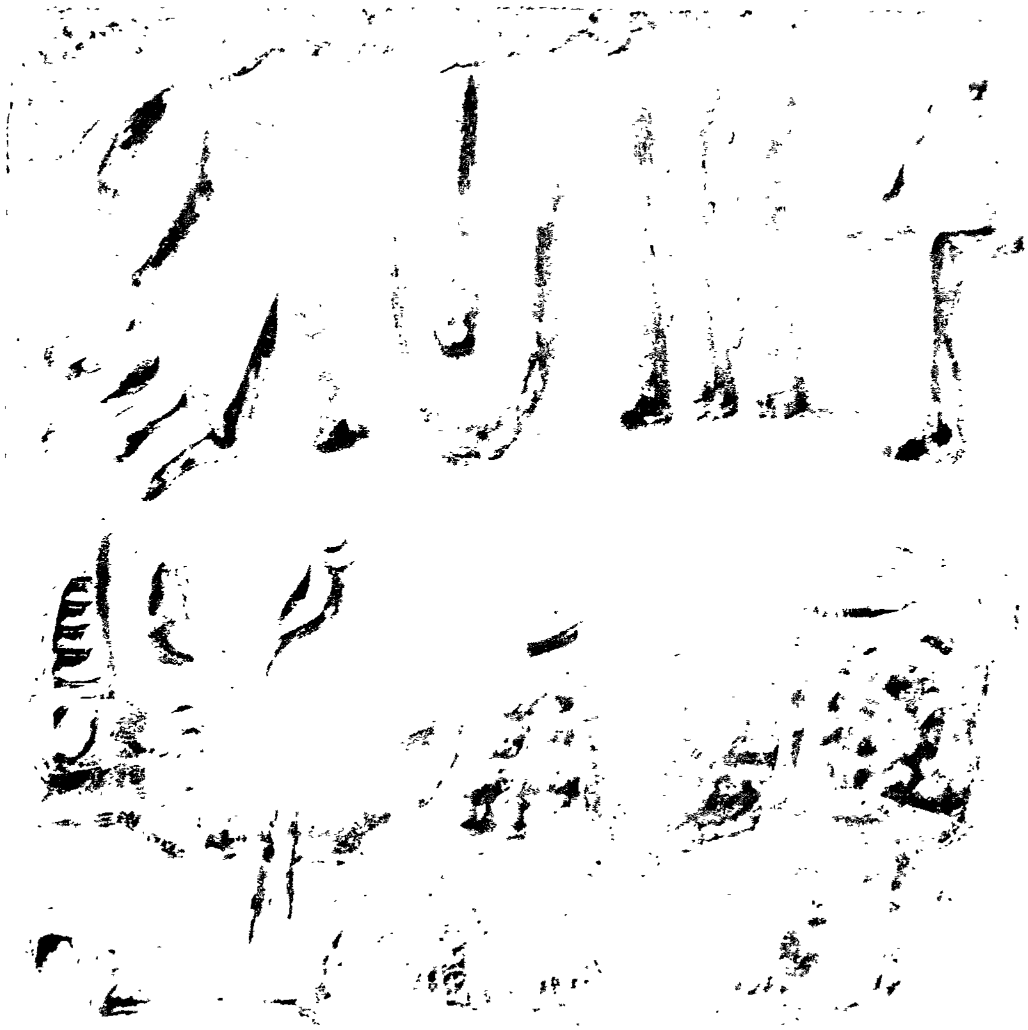
6: M-382 A



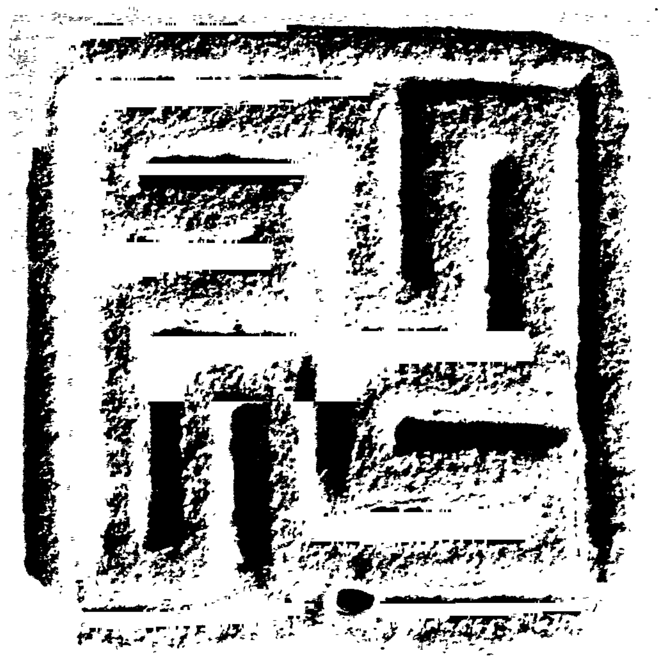
7: M-238 A



8 M-379 A



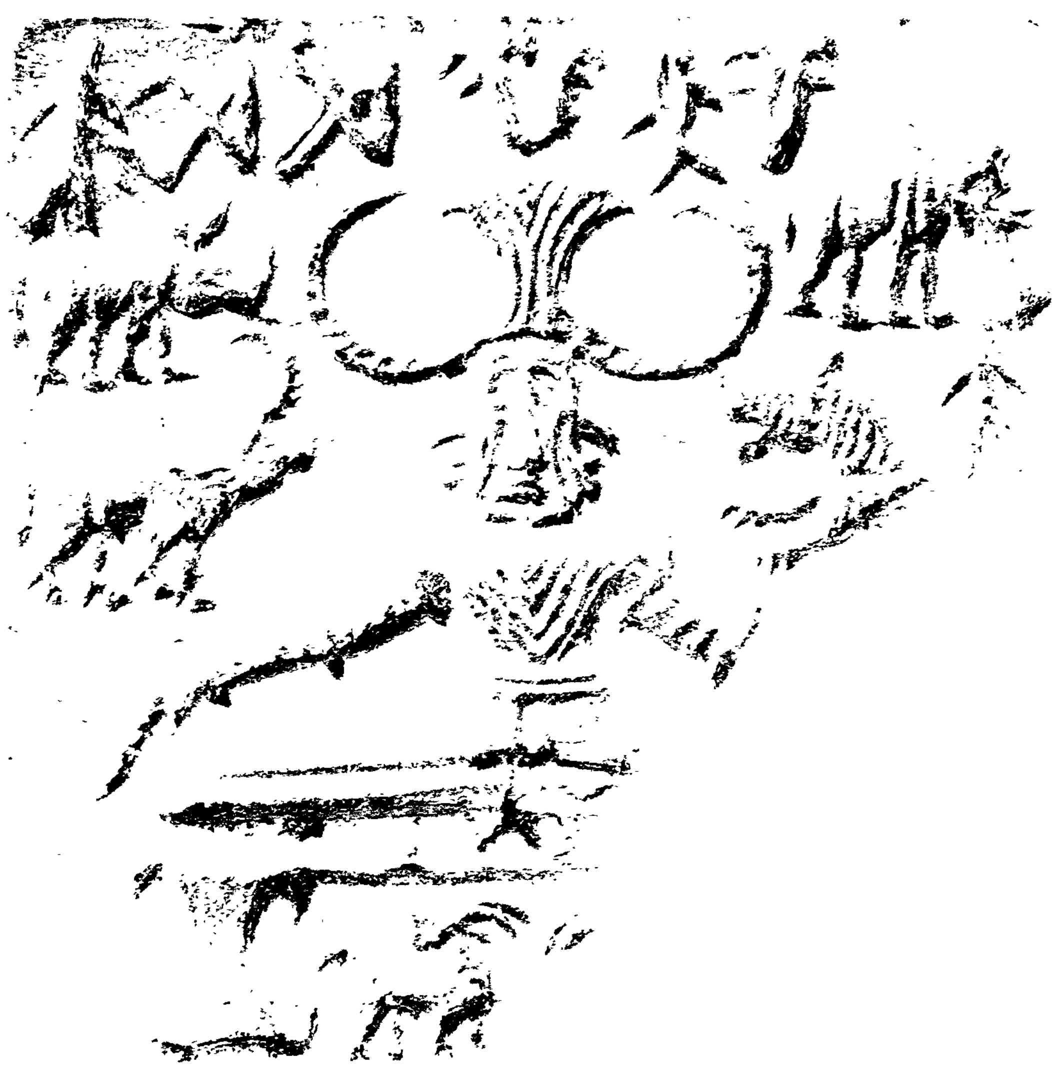
9: M-276 A



10: M-332 A



11: M-404 A



12: M-304 A



13: M-305 A



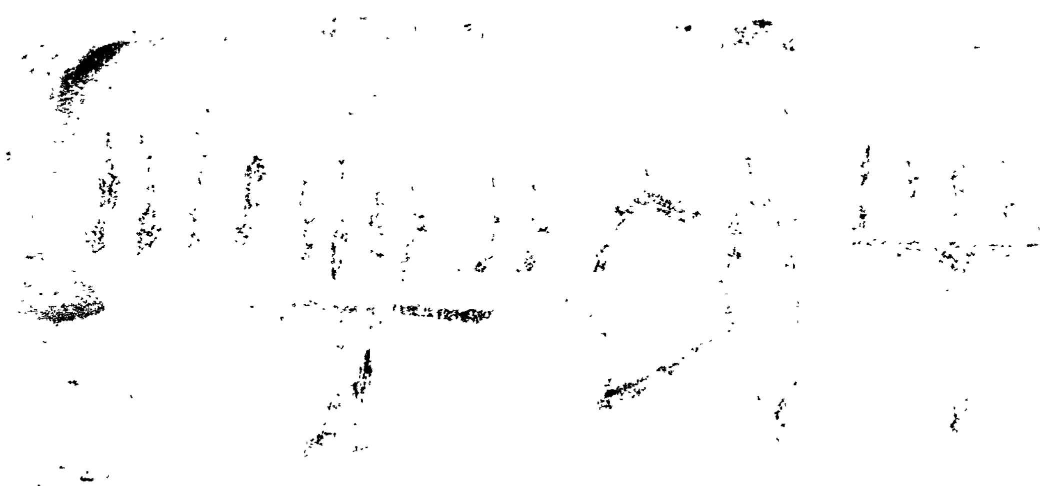
14: M-308 A



15 M-310 A



16: M-312 A



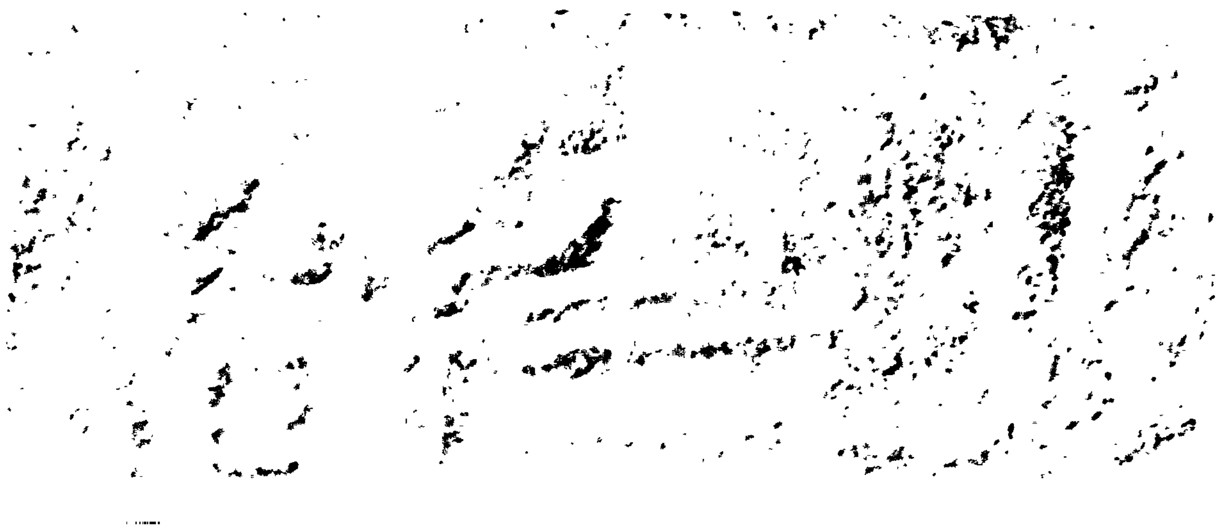
17: M-413 A



18. M 378 C



[illegible] M 3[illegible] A

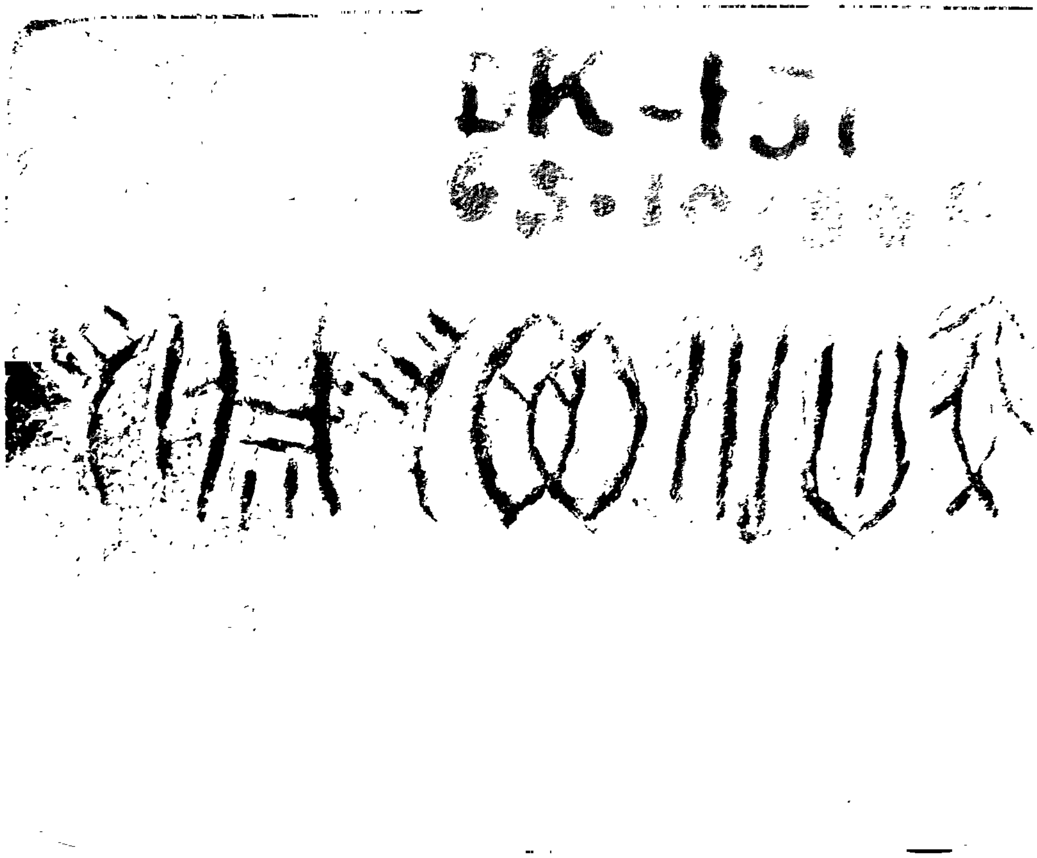


M [illegible] B

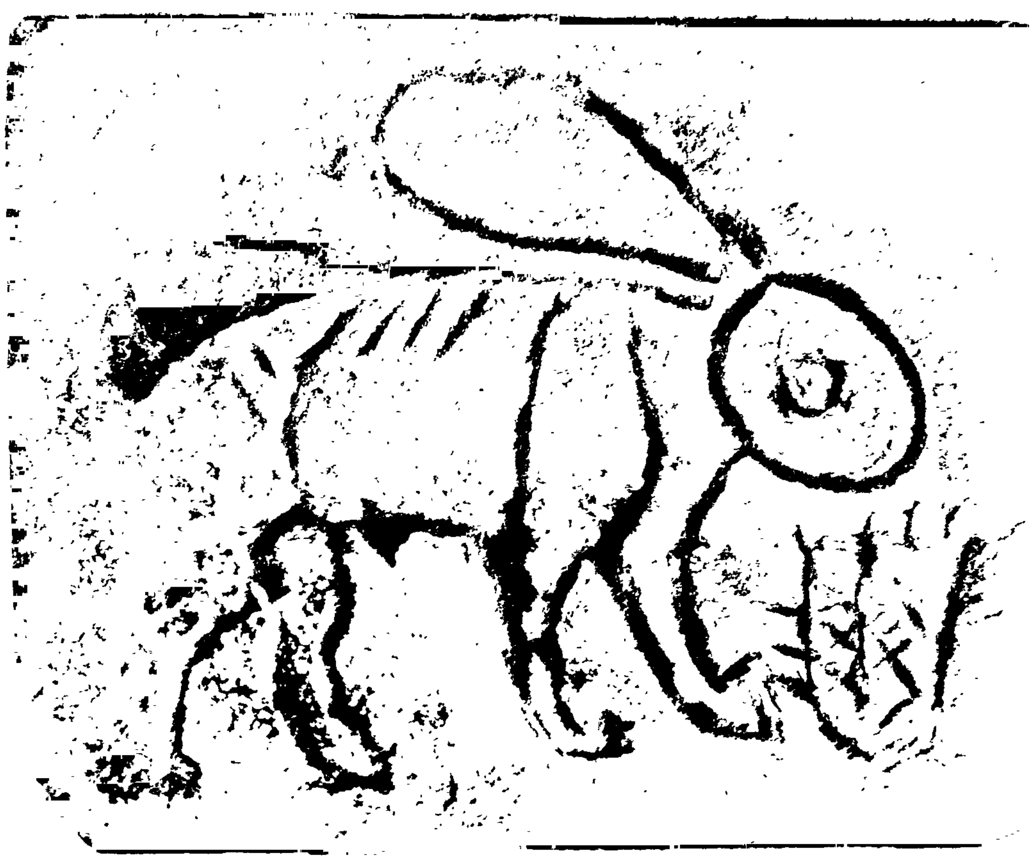








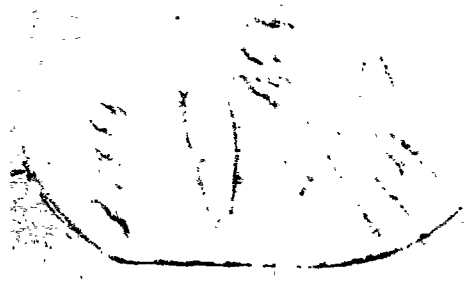
24: M-534 A



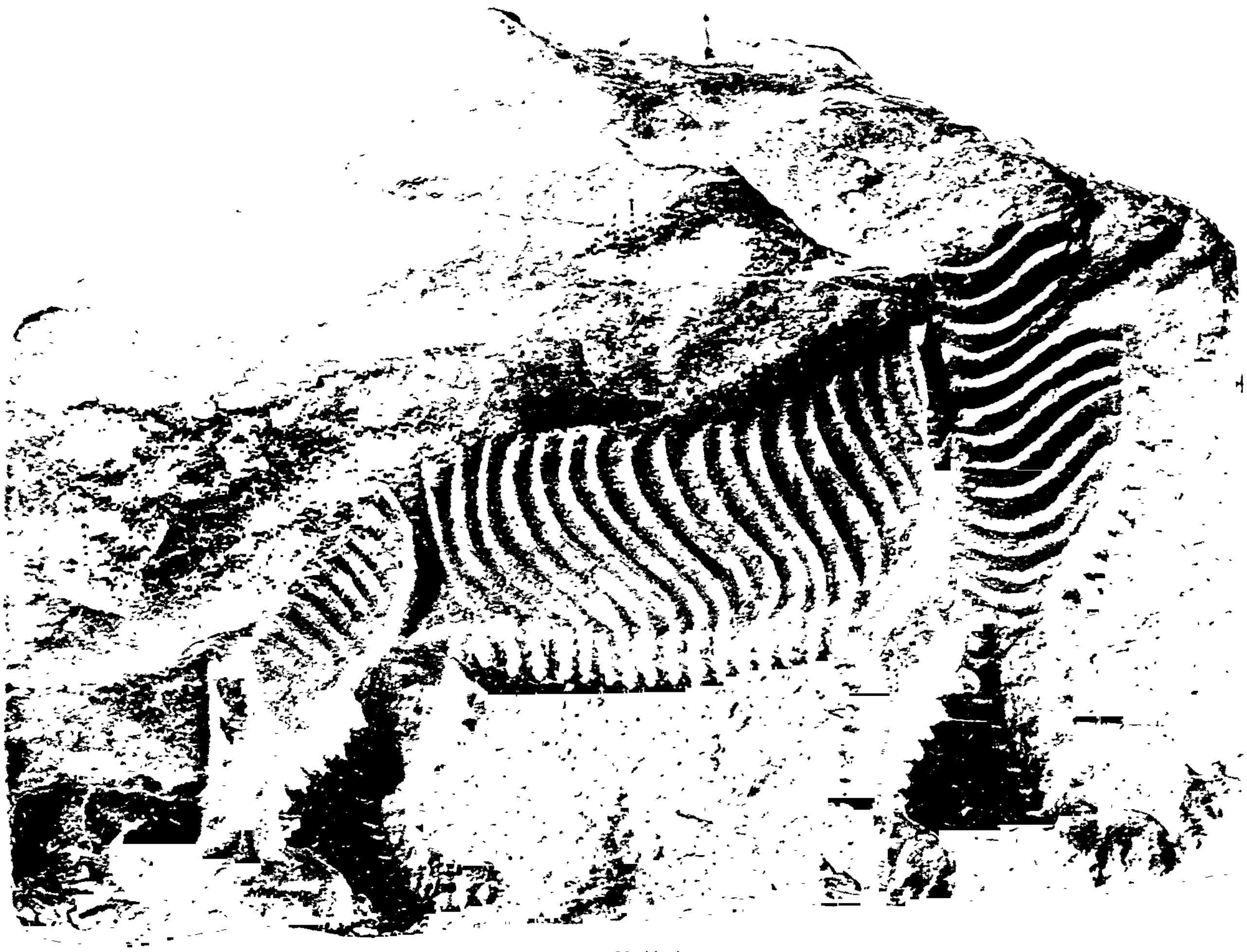
25: M-534 B



26: M-231 B



27: H-312 A



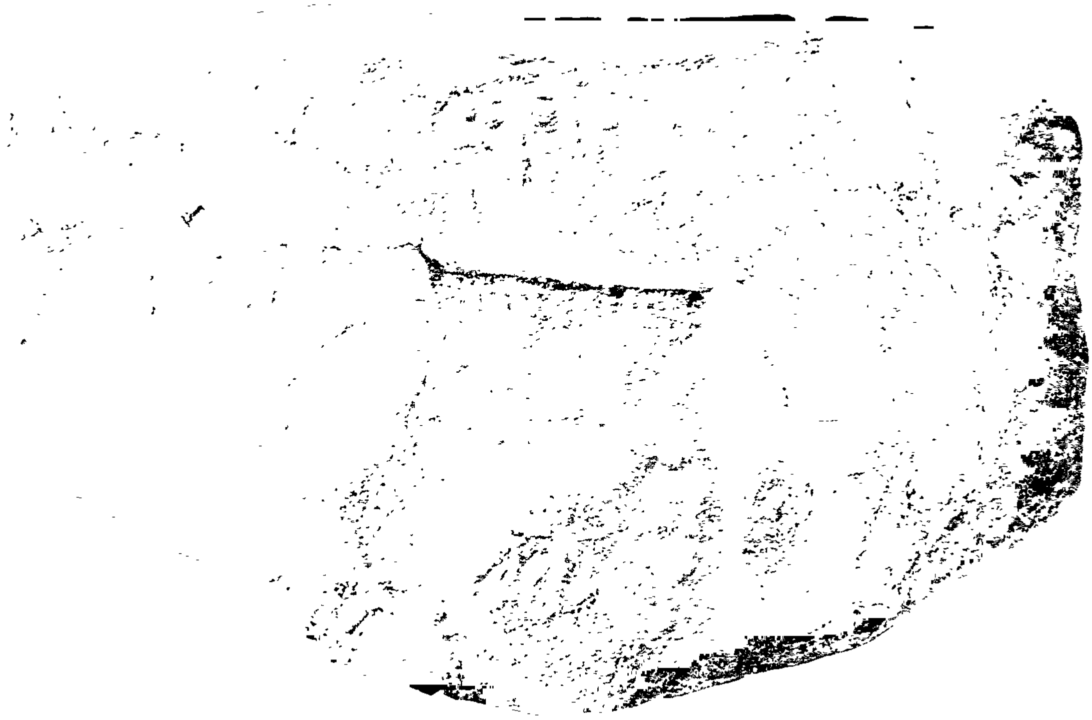
28: K-41 A



29: K-50 A



30: K-65 A 6



31: K-89 A 1–4

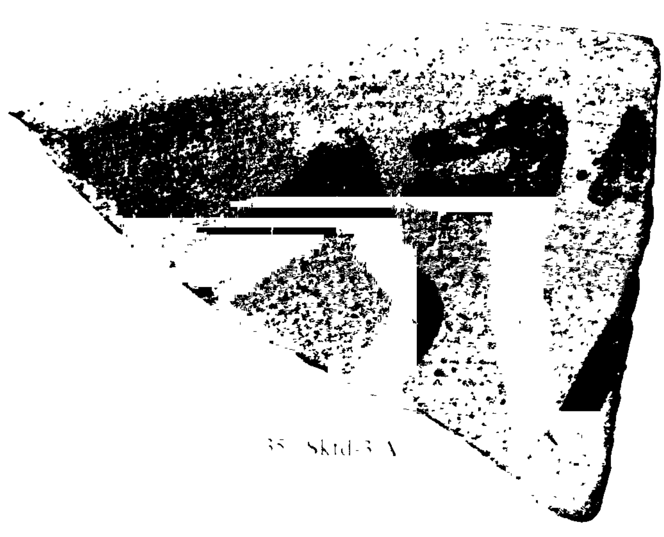


32: K-96 A



33 B-9 A





35 Sktd-3 A

34 B-26 A